



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
10117 PRINCESS PALM AVENUE, SUITE 120  
TAMPA, FLORIDA 33610

Tampa Permits Section

December 8, 2008

## PUBLIC NOTICE

Permit Application No. SAJ-2008-0819(IP-TEH)

TO WHOM IT MAY CONCERN: This district has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) as described below:

APPLICANT: PINELLAS COUNTY BOARD OF COUNTY COMMISSIONERS  
440 COURT STREET  
CLEARWATER, FLORIDA 33756

WATERWAY & LOCATION: The project is located within Sections 1 and 12 of Township 28 South and Range 15 East, unincorporated Palm Harbor, Pinellas County, Florida. Bee Branch flows into Sutherland Bayou of the Gulf of Mexico.

Directions to the site are as follows: From the intersection of Tampa Road and Alternate Highway 19 in Palm Harbor, proceed east on Tampa Road for approximately one-half mile. Turn northward (left) onto 15<sup>th</sup> Street. The project site is where the road crosses a waterway (Bee Branch).

LATITUDE & LONGITUDE: Latitude 28.073031 North  
Longitude 82.758717 West

PROJECT PURPOSE:

Basic: To reduce downstream sediment transport.

Overall: To reduce downstream sediment transport within Bee Branch.

PROPOSED WORK: The applicant proposes to construct a project known as "Bee Branch Drainage Improvements". The proposed work includes 1) a sump consisting of 180 linear feet of vertical steel sheet pile for bank support and a 41-foot wide flat concrete bottom for ease of maintenance and scour prevention,

2) double 7' X 8' outfall box culverts, 3) 80 linear feet of gabion baskets, 4) enclosure of 440 linear feet of stream in 12' X 5' box culvert, and 5) 500 linear feet of retaining walls.

Avoidance and Minimization Information: The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

"To the greatest extent possible, the project will maintain the creek as an open channel. Stabilization in those reaches will consist of gabion installation along the channel bottom and TOS. The gabion voids should fill with sand and mimic the existing stream bed. However, this is not possible in the sections where box culvert is proposed. With a constrained corridor due to adjacent home sites and a deep flow line relative to the adjacent landscape, there are sections which cannot be constructed with stable slopes in the non-cohesive sands present in the project corridor. Bringing up the flow line elevation to provide a side slope within the existing corridor which is stable is not possible due to the need to match inverts at the upstream and downstream connections and maintain a consistent gradient.

Compensatory Mitigation: The applicant has offered the following compensatory mitigation plan to offset unavoidable functional loss to the aquatic environment:

"Mitigation for the Phase II impacts will consist of restoration in the form of 1.19 acres of in-channel plantings (on-site restoration). Due to space constraints within the project corridor, the mitigation for the Ph I impacts will be provided by the Sunset Point mitigation site. This is an existing forested system of higher quality than the creek section to be impacted, so the proposed acreage for acreage compensation will result in a net lift. It is recognized that the proposed compensation site cannot be accepted without an ACOE representative verifying the current condition of the site."

EXISTING CONDITIONS: Bee Branch was a natural channel that has been severely impacted by adjacent development. It is a perennial stream that has steep, unstable banks.

ENDANGERED SPECIES: The U.S. Army Corps of Engineers has determined the proposal would have no effect on any listed threatened or endangered species or designated critical habitat.

ESSENTIAL FISH HABITAT (EFH): This notice initiates consultation with the National Marine Fisheries Service on EFH as required by the Magnuson-Stevens Fishery Conservation and Management Act 1996. The proposal would impact freshwater that may affect downstream estuarine habitat utilized by various life stages of marine species. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or Federally managed fisheries in the Sutherland Bayou of the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The jurisdictional line has not been verified by Corps personnel.

AUTHORIZATION FROM OTHER AGENCIES: Water Quality Certification may be required from the Florida Department of Environmental Protection and/or one of the state Water Management Districts.

Comments regarding the application should be submitted in writing to the District Engineer at the above address within 21 days from the date of this notice.

If you have any questions concerning this application, you may contact Tracy Hurst at the letterhead address, by electronic mail at [Tracy.E.Hurst@usace.army.mil](mailto:Tracy.E.Hurst@usace.army.mil), by fax at 813-769-7061, or by telephone at 813-769-7063.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

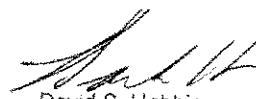
**IMPACT ON NATURAL RESOURCES:** Preliminary review of this application indicates that an Environmental Impact Statement will not be required. Coordination with U.S. Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies, environmental groups, and concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area. By means of this notice, we are soliciting comments on the potential effects of the project on threatened or endangered species or their habitat.

**IMPACT ON CULTURAL RESOURCES:** Review of the latest published version of the National Register of Historic Places indicates that no registered properties or properties listed as eligible for inclusion therein are located at the site of the proposed work. Presently, unknown archaeological, scientific, pre-historical, or historical data may be lost or destroyed by the work to be accomplished.

**EVALUATION:** The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable deterrents. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act of the criteria established under authority of Section 102(a) of the Marine Protection, Research, and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest. The US Army Corps of Engineers (Corps) is soliciting comments from the public, Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make or deny this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

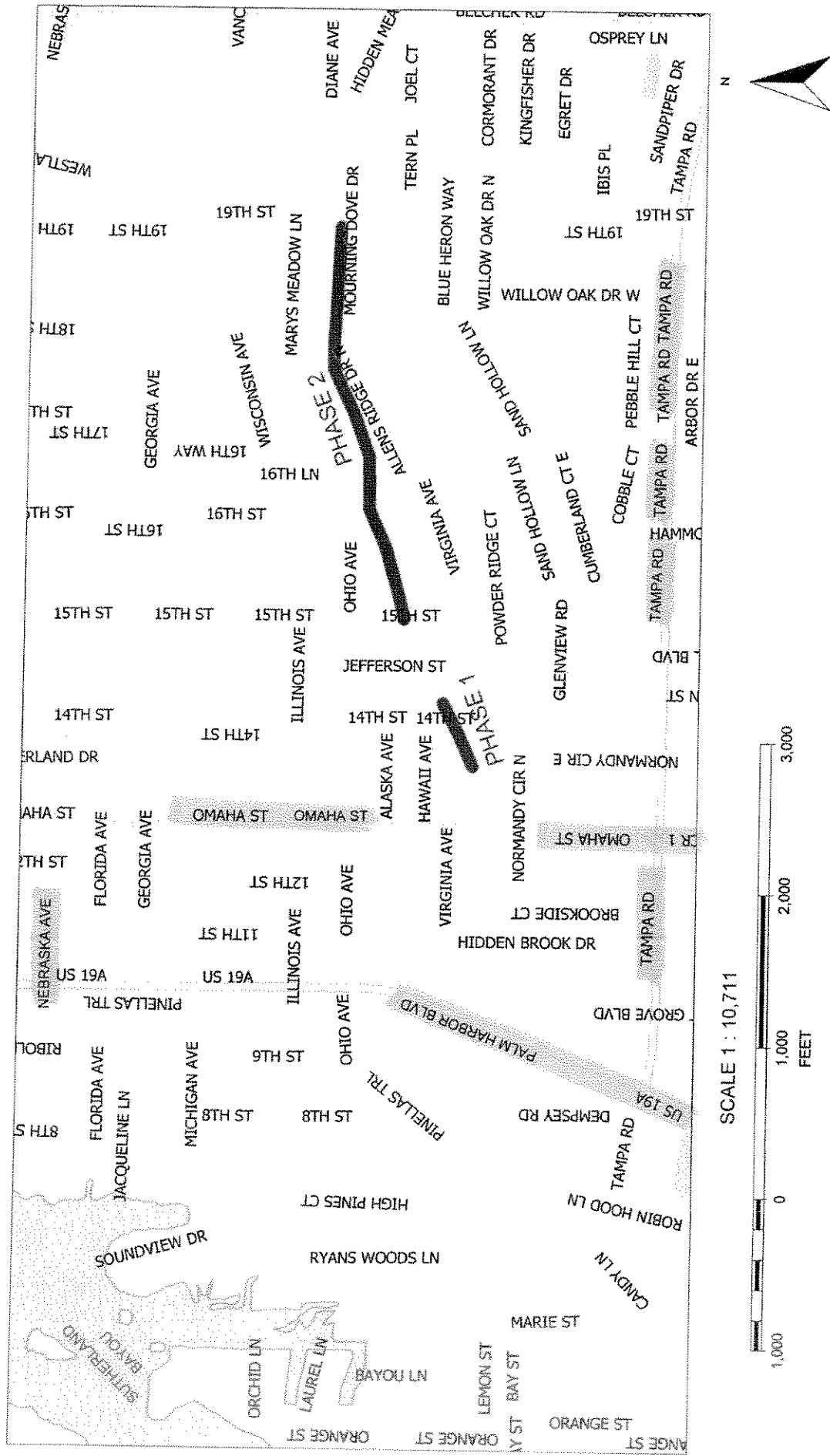
**COASTAL ZONE MANAGEMENT CONSISTENCY:** In Florida, the State approval constitutes compliance with the approved Coastal Zone Management Plan. In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance Coastal Zone Management Plan.

**REQUEST FOR PUBLIC HEARING:** Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.

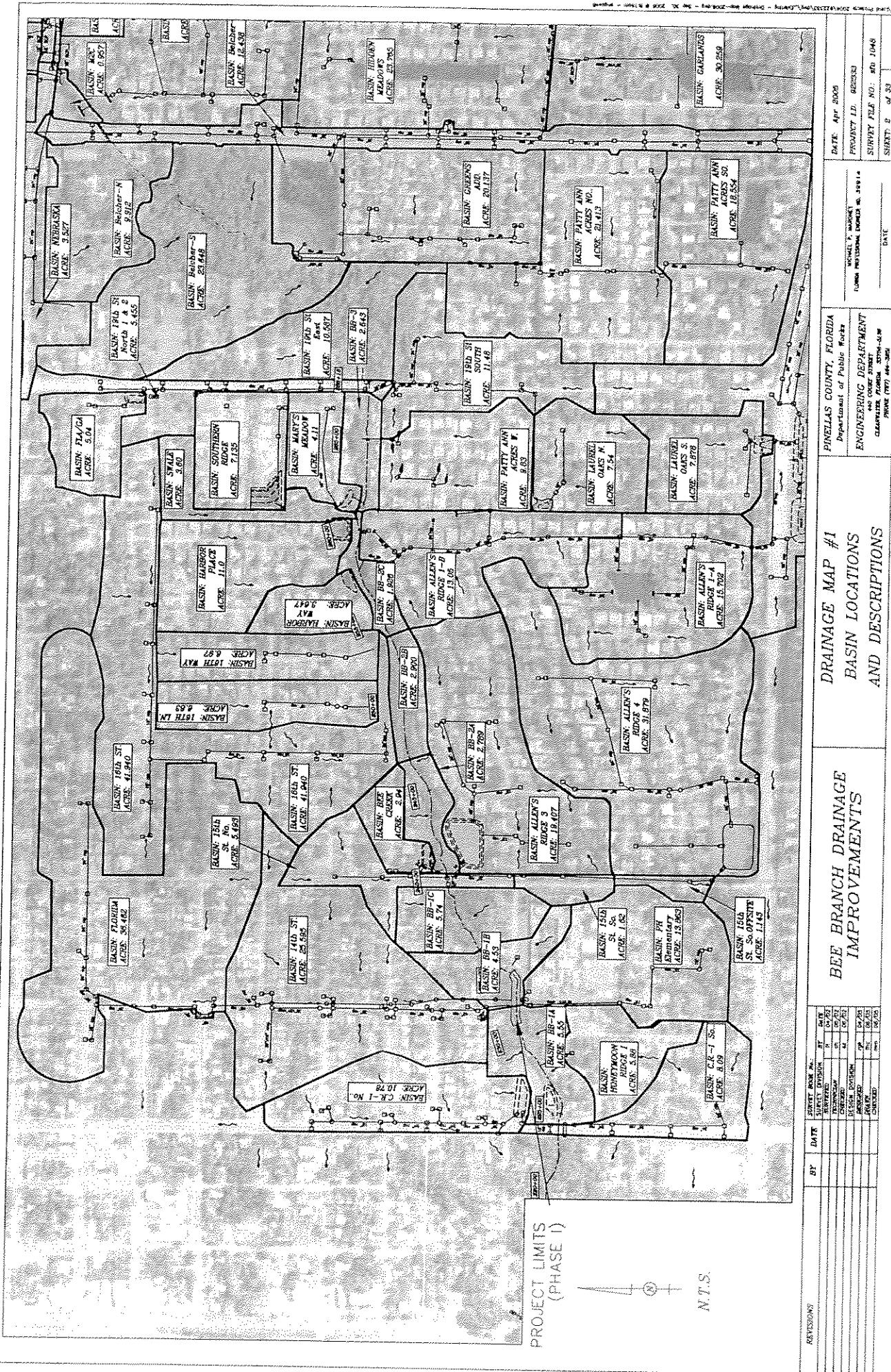


David S. Hobbs  
Regulatory Division

## BEE BRANCH PROJECT LOCATION



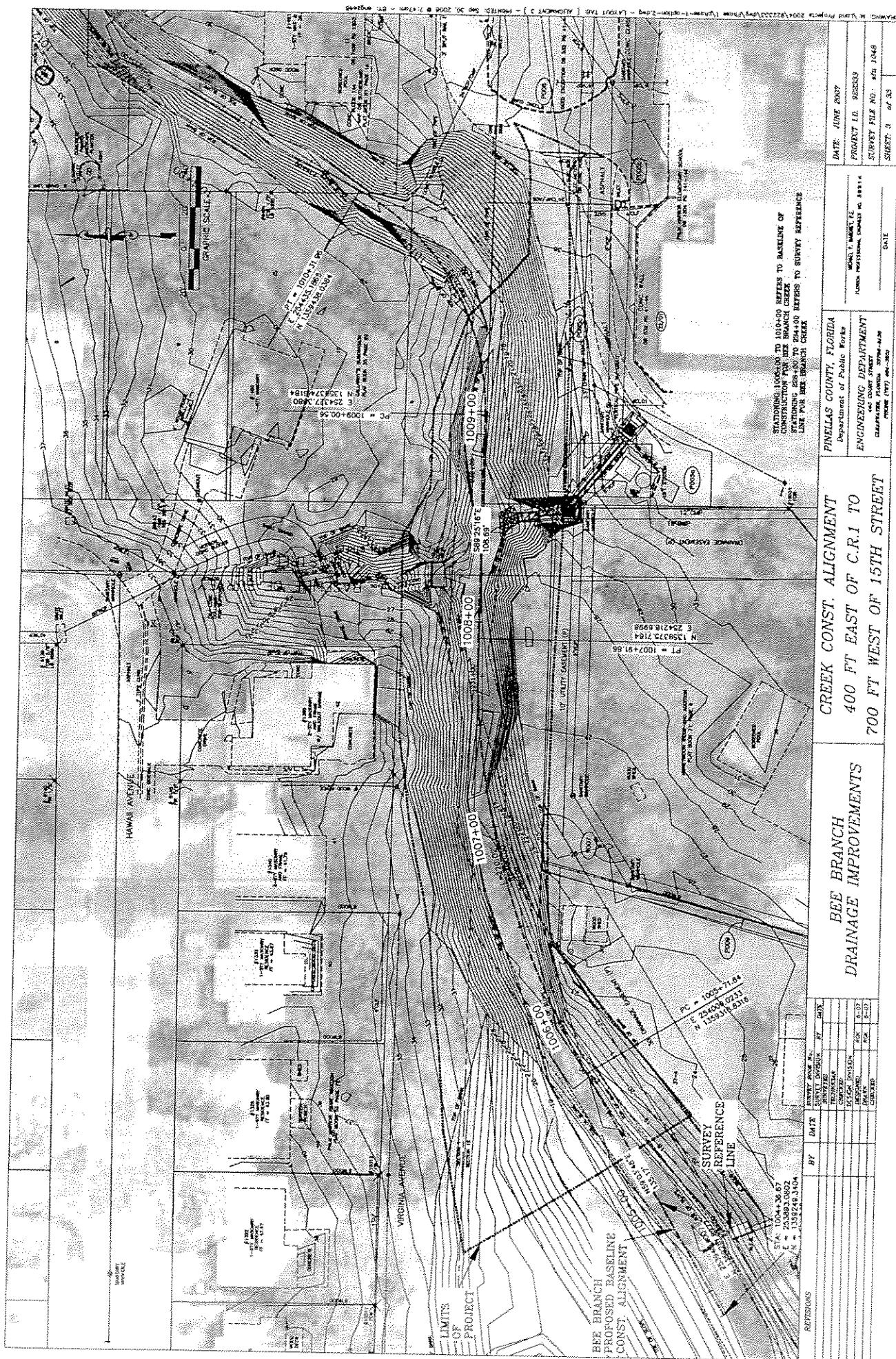


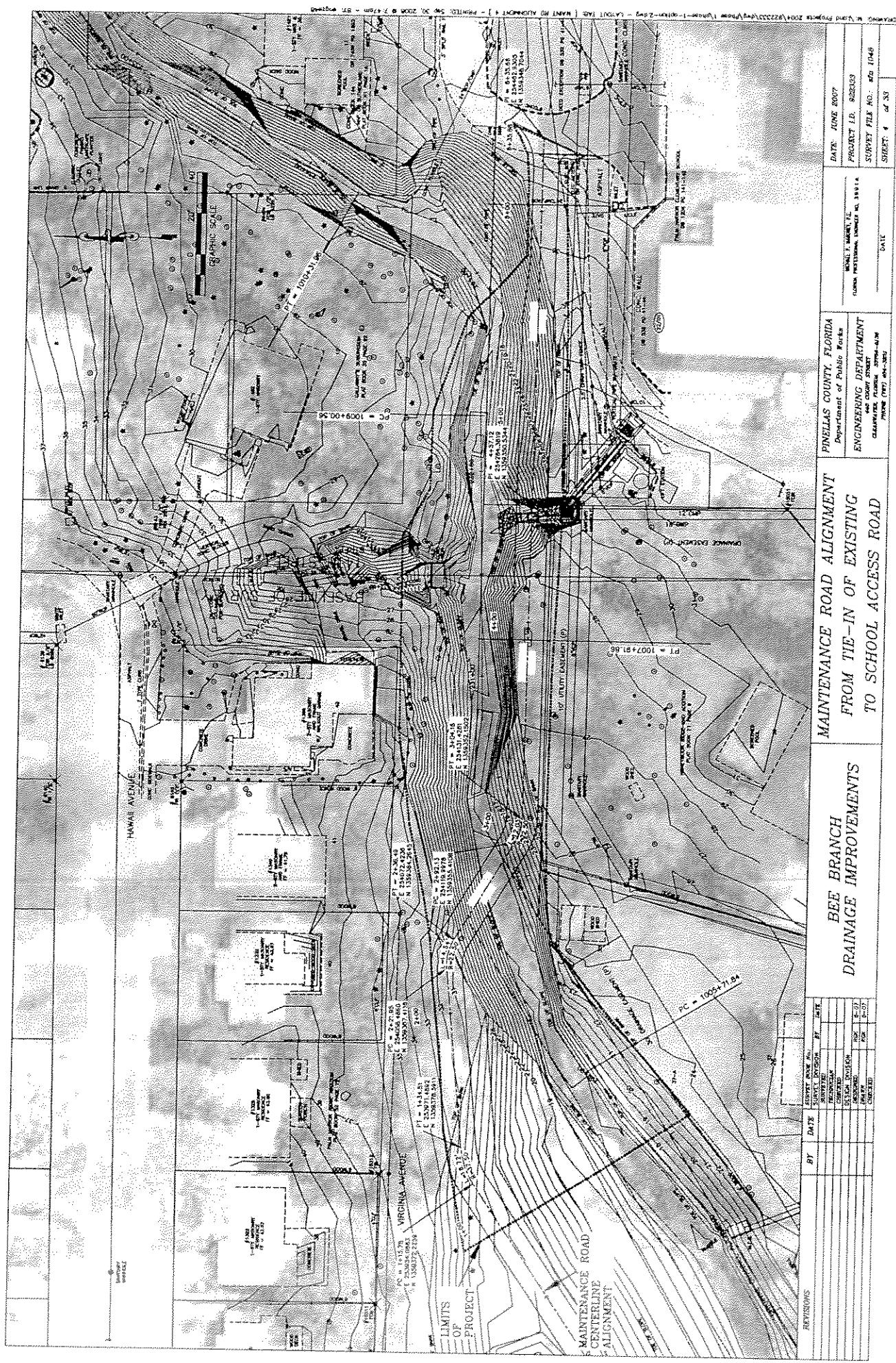


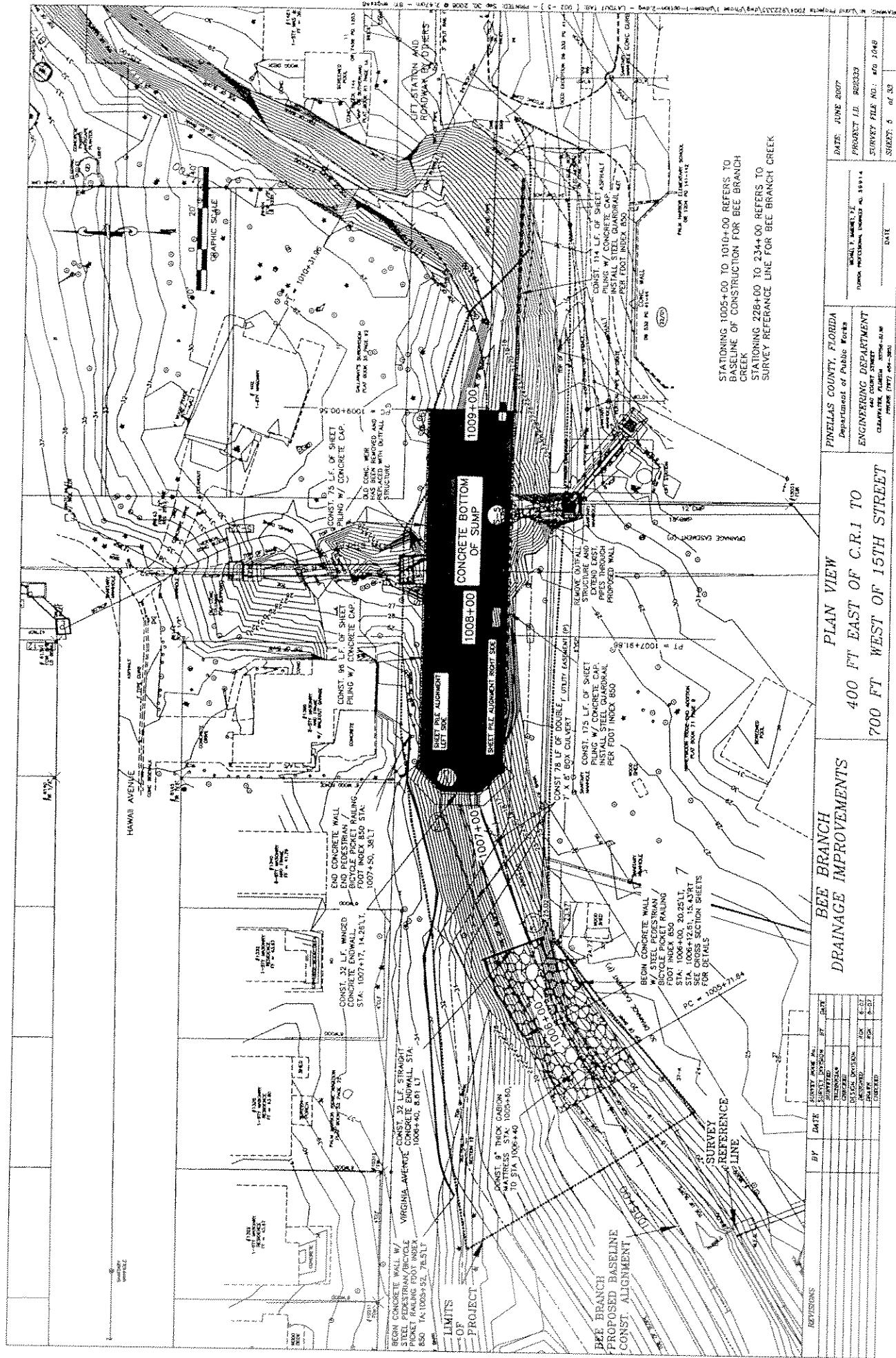
DRAINAGE MAP #4  
BASIN LOCATIONS  
AND DESCRIPTION

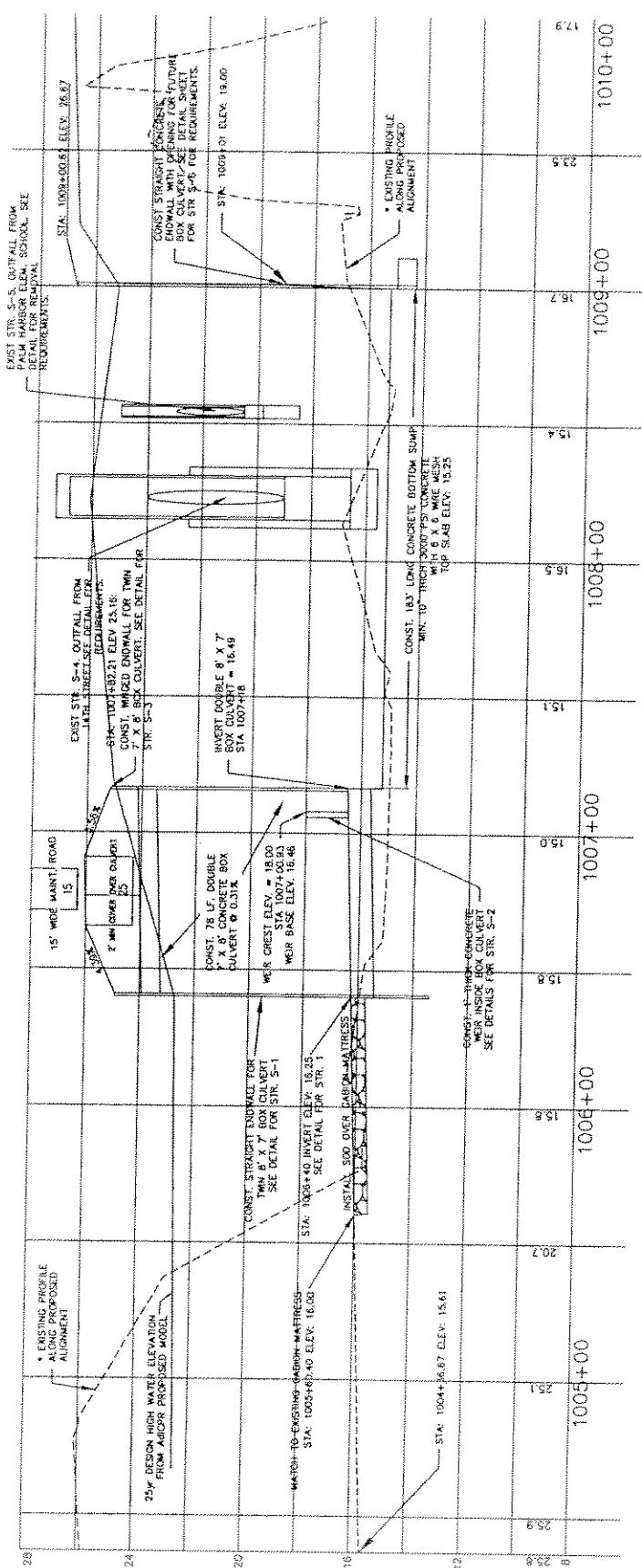
**PROJECT LIMITS  
(PHASE I)**

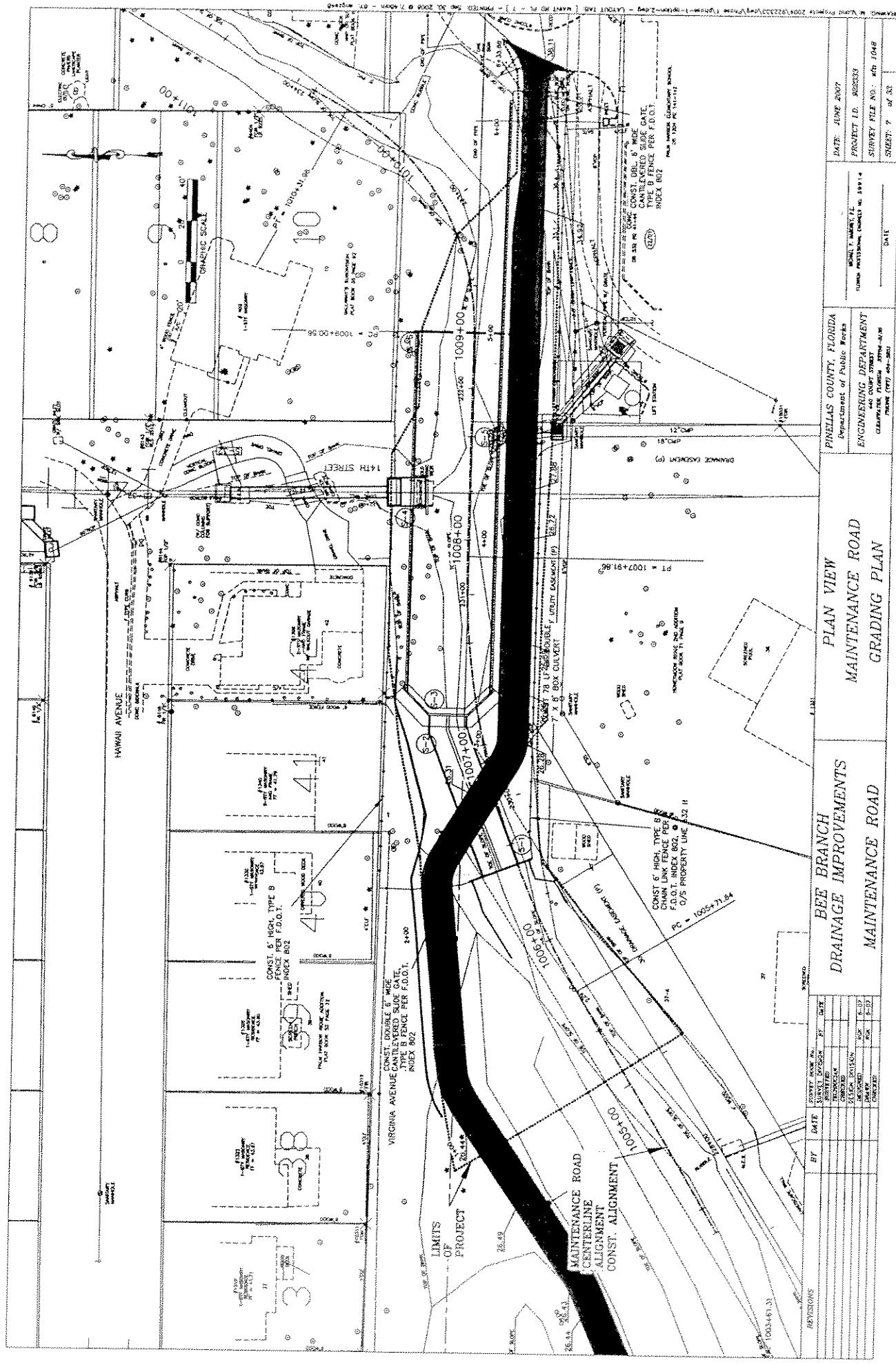
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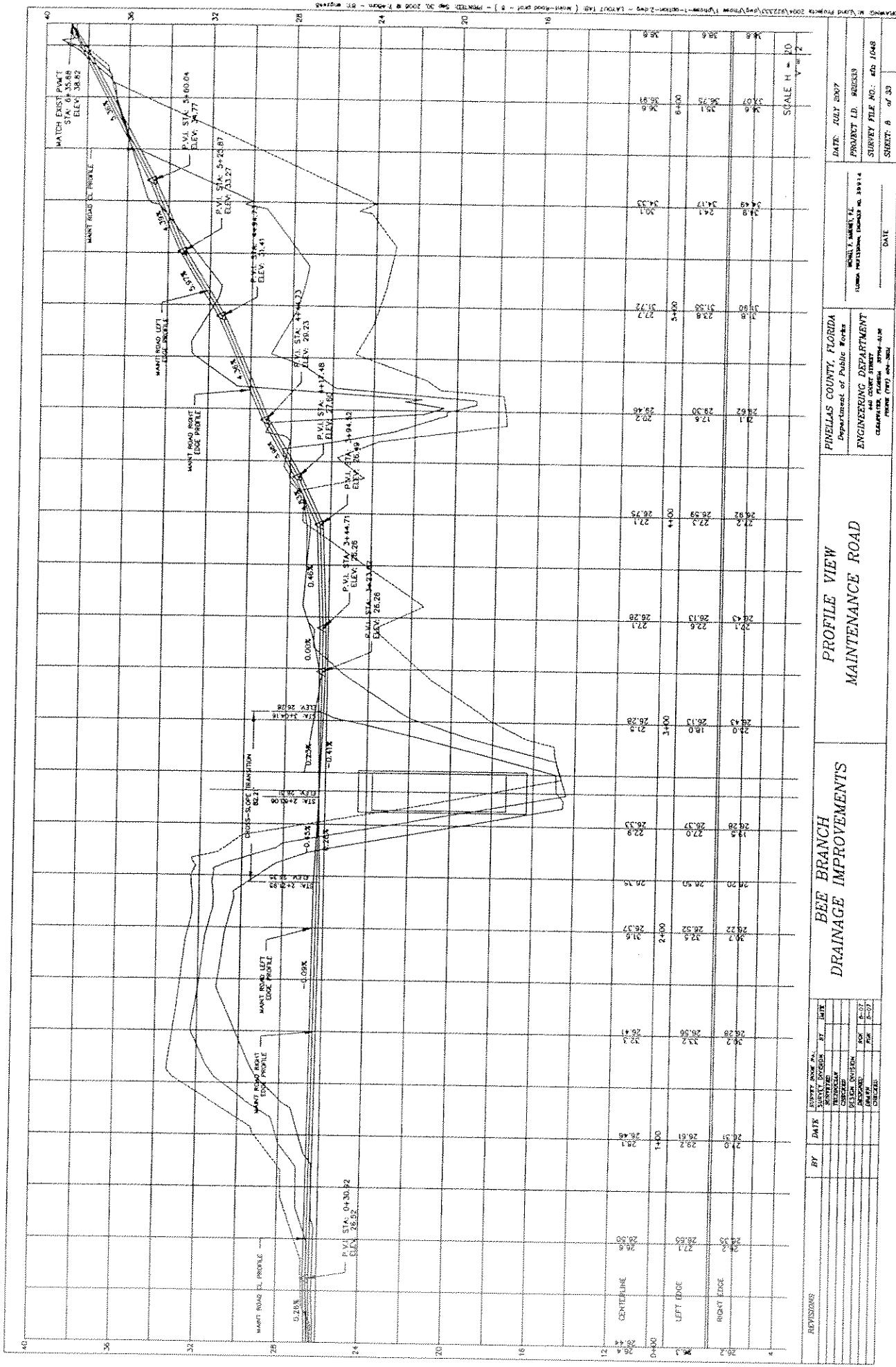


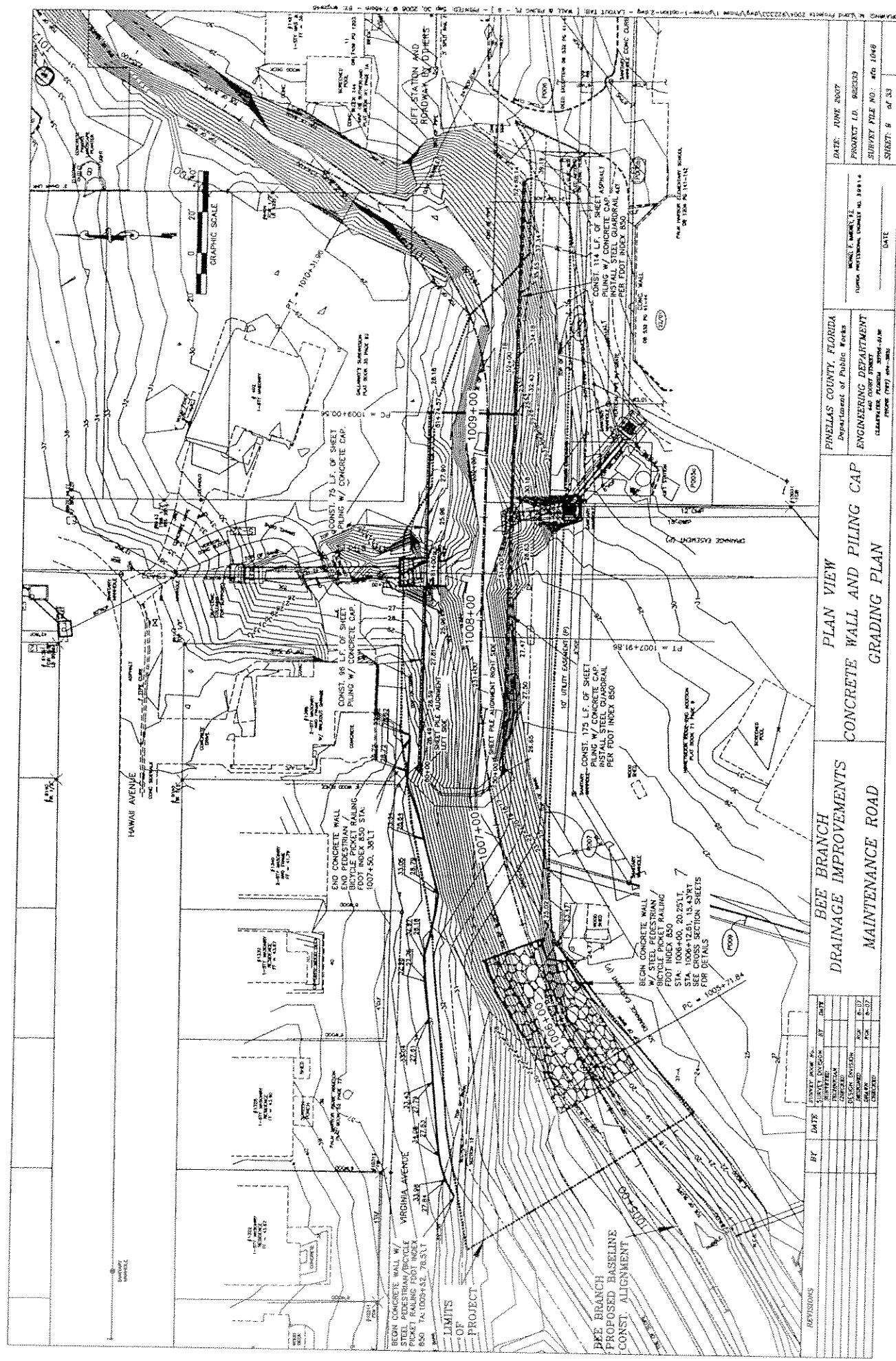


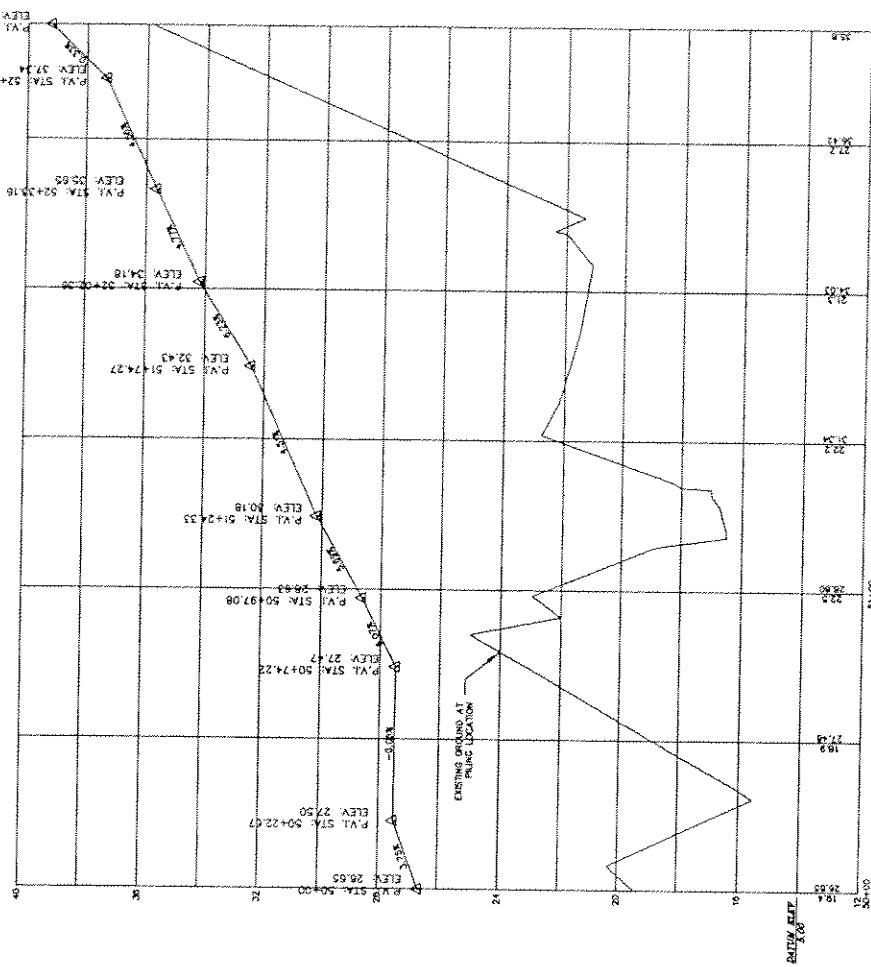




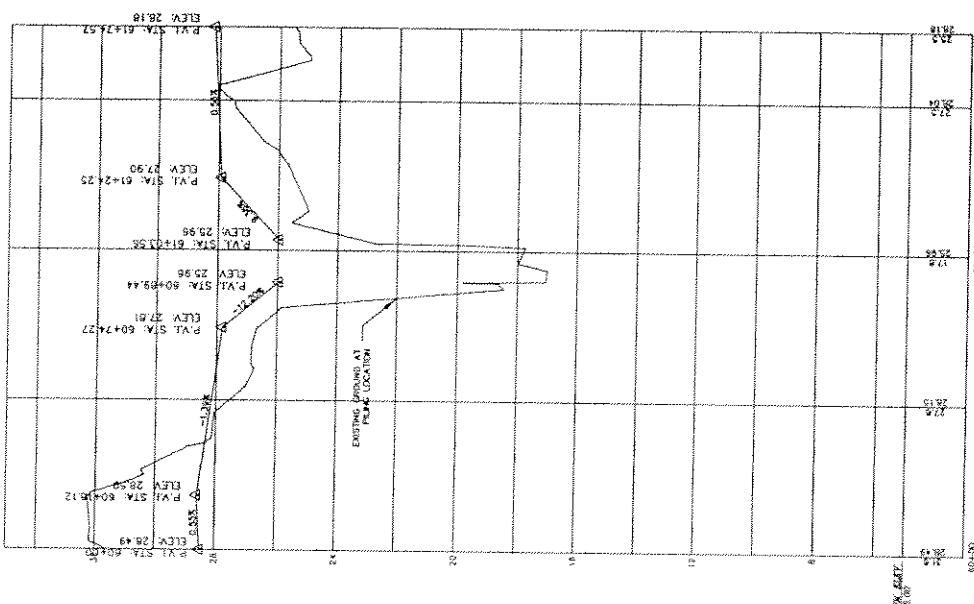








RIGHT SIDE SHEET PILING PROFILE



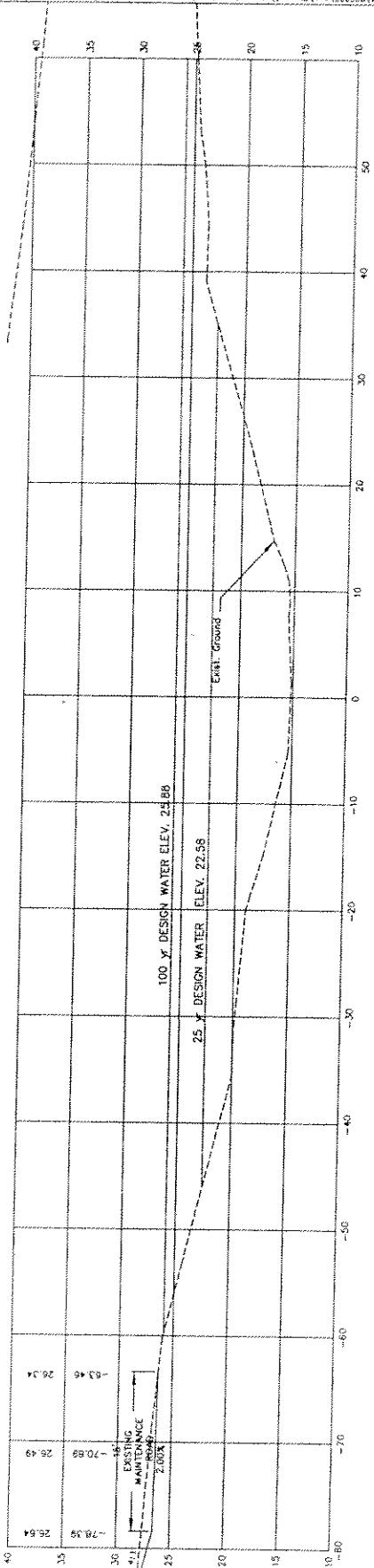
LEFT SIDE SHEET PILING PROFILE

| REGISTRATIONS      |                    | BEE BRANCH<br>DRAINAGE IMPROVEMENTS |                    | PROFILE VIEW<br>SHEET PILING CAP PROFILE<br>LEFT AND RIGHT SIDES |                    | PINELLAS COUNTY, FLORIDA<br>Department of Public Works |  |
|--------------------|--------------------|-------------------------------------|--------------------|--|--------------------|--|--|
| BY                 | DATE               | BY                                  | DATE               | BY   | DATE               | BY   | DATE                                   |
| SURVEYOR SIGNATURE | RECEIVED SIGNATURE | CONTRACTOR SIGNATURE                | DESIGNER SIGNATURE | ARCHITECT SIGNATURE  | ENGINEER SIGNATURE | WILLIAM M. WILSON, P.E.                                | PIPER JAFFRAY INC., 800 1/2            |
| PRINTED NAME       | PRINTED NAME       | PRINTED NAME                        | PRINTED NAME       | PRINTED NAME   | PRINTED NAME       | FLORIDA PROFESSIONAL LICENSE NO. 590-4                 | FLORIDA PROFESSIONAL LICENSE NO. 590-4 |
| ADDRESS            | ADDRESS            | ADDRESS                             | ADDRESS            | ADDRESS  | ADDRESS            | PHONE (727) 464-2621                                   | PHONE (727) 464-2621                   |
| CITY               | CITY               | CITY                                | CITY               | CITY   | CITY               | DATE   | DATE                                   |
| STATE              | STATE              | STATE                               | STATE              | STATE  | STATE              | SHEET 10 OF 33   |  |

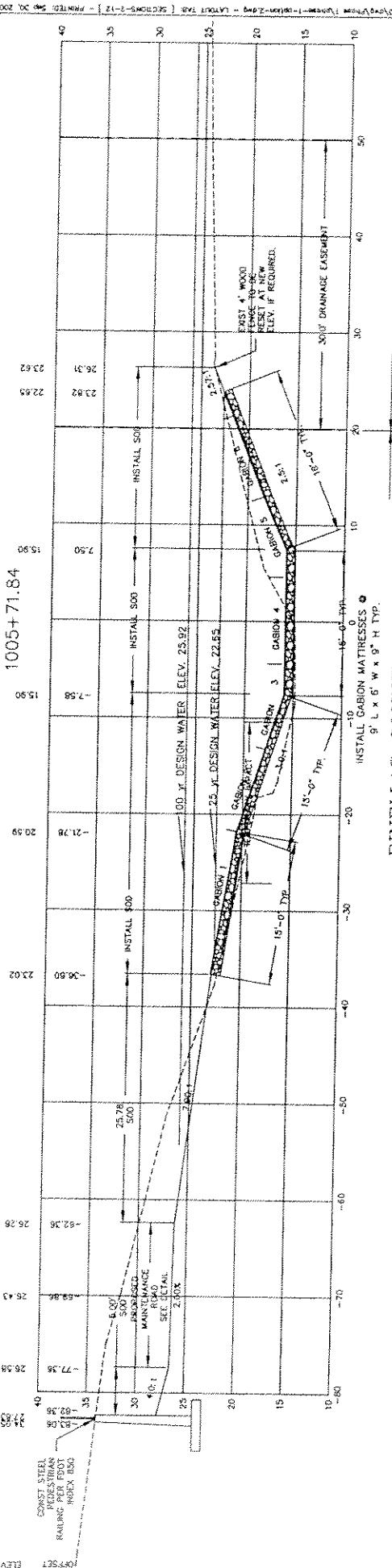
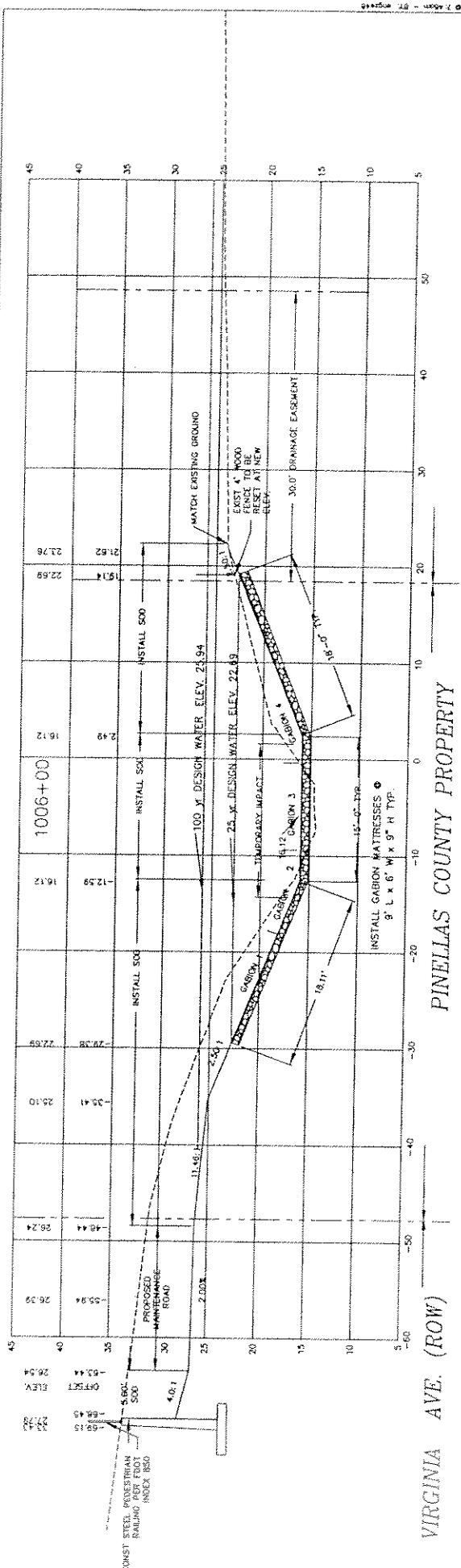
CROSS-SECTIONAL STUDY

PINELLAS COUNTY PROPERTY

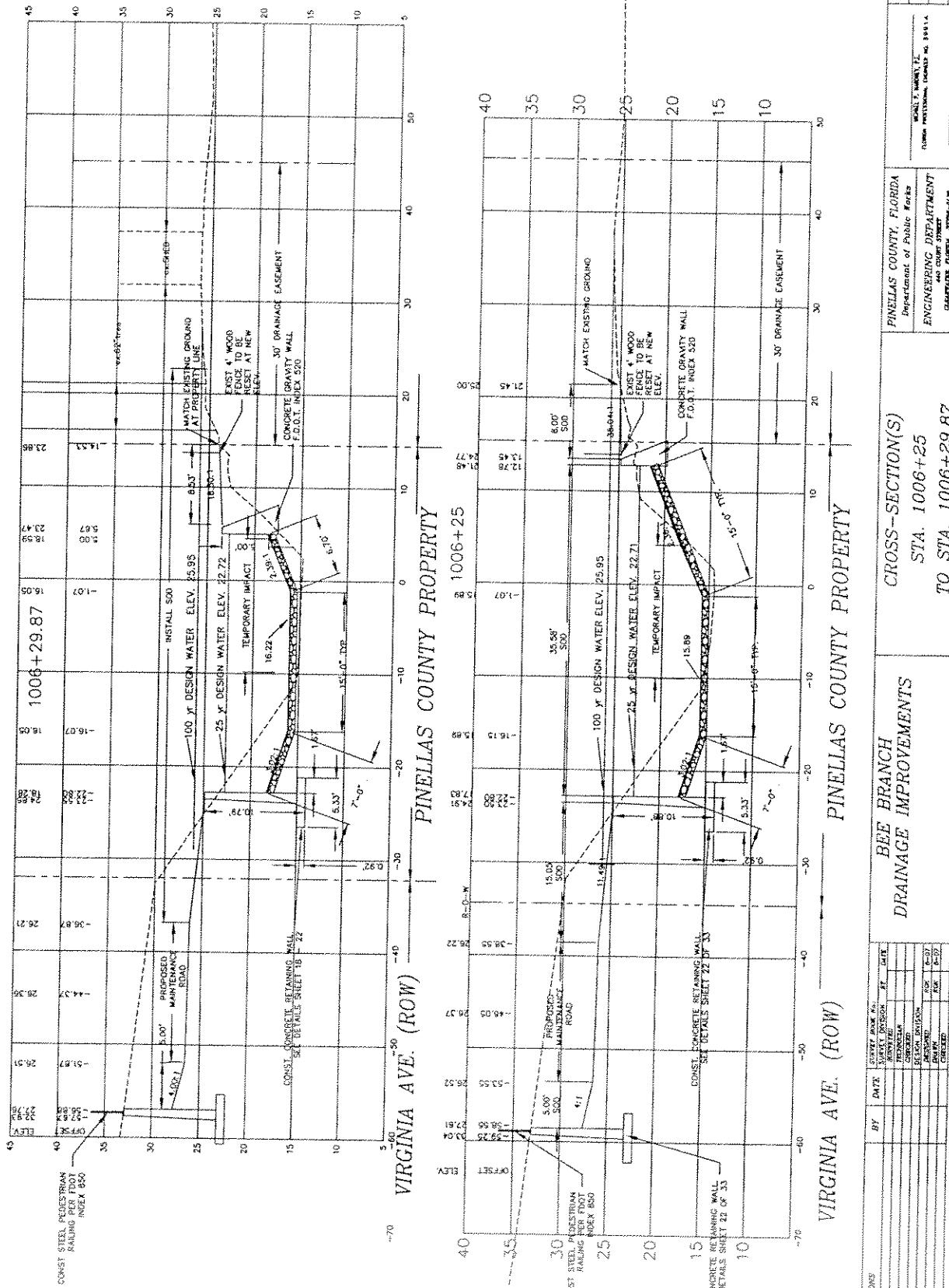
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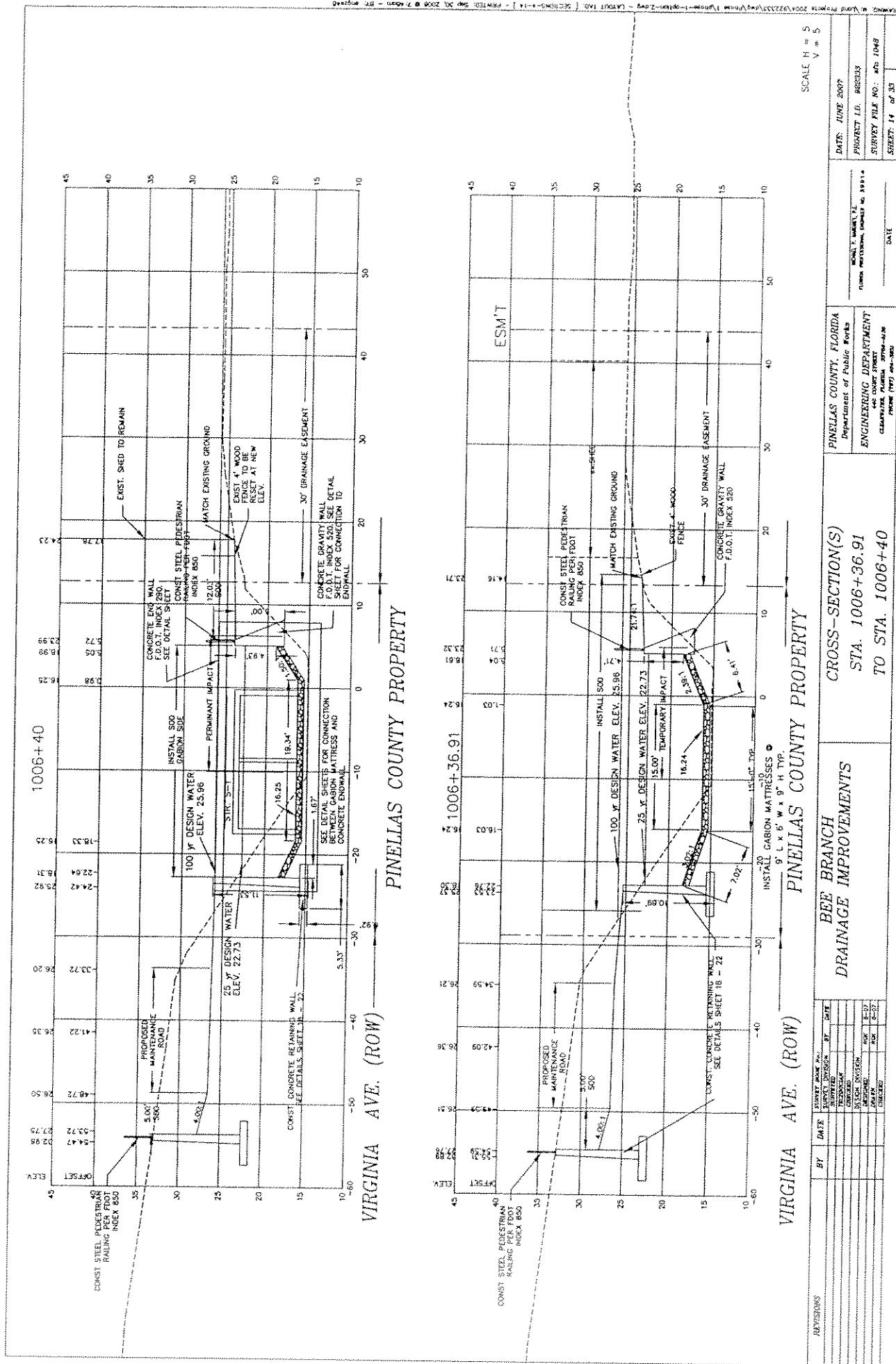
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| RECTIONS |  | BY   | STATION, LINE &<br>SIGHT | BEE BRANCH<br>DRAINAGE IMPROVEMENTS | CROSS-SECTION(S)   | PINELLAS COUNTY, FLORIDA   |
|          |  | DATE |                          | STA. 1005+00                        | STA. 1005+00       | Department of Public Works |
|          |  |      |                          | TO STA. 1005+00.26                  | TO STA. 1005+00.26 | PROJECT NO. 8202238        |
|          |  |      |                          |                                     |                    | SCALING ENGINEER NO. 39914 |
|          |  |      |                          |                                     |                    | SURVEY FILE NO. 400-1046   |
|          |  |      |                          |                                     |                    | DATE                       |
|          |  |      |                          |                                     |                    | SHEET 11 OF 33             |

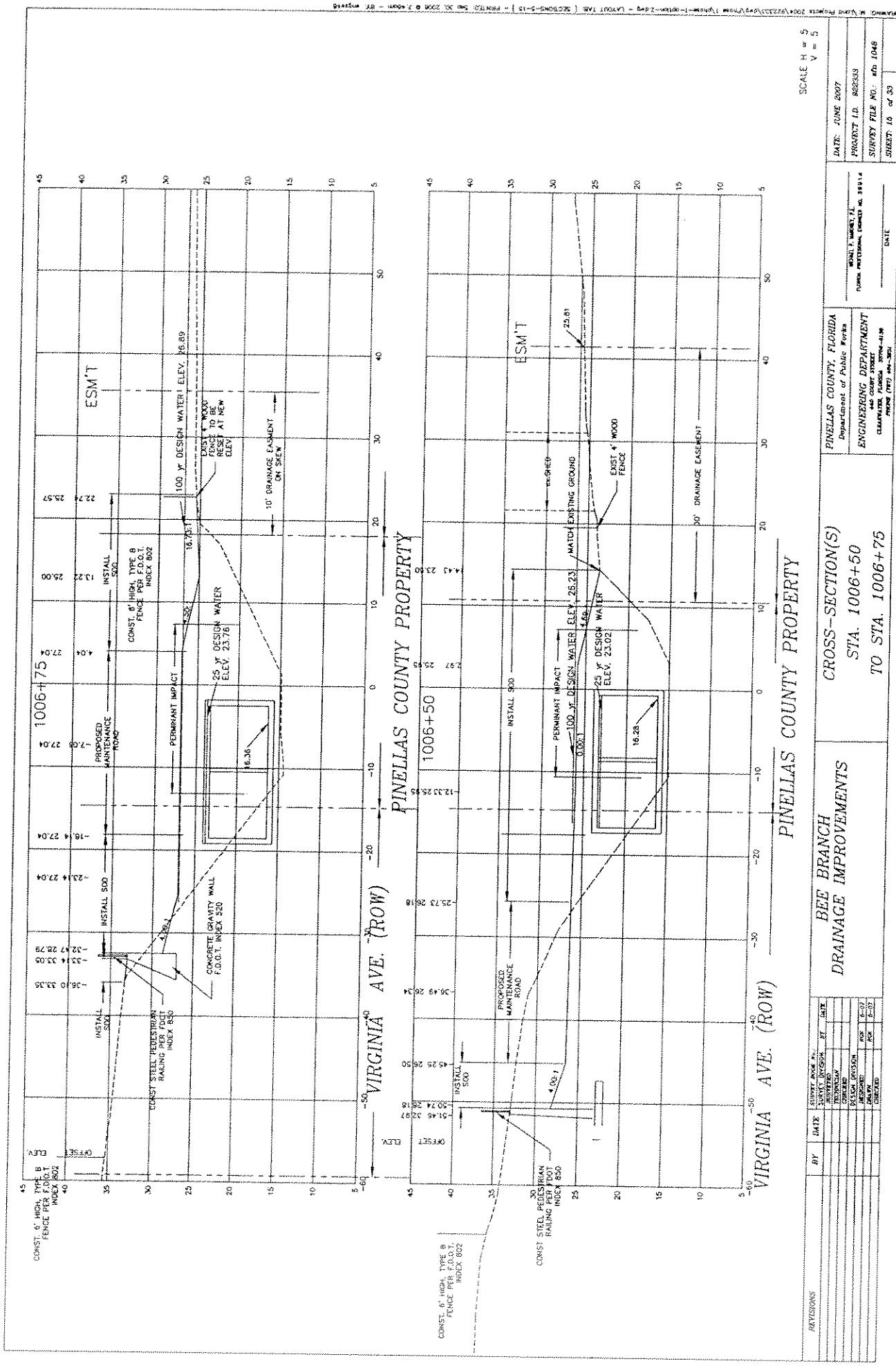


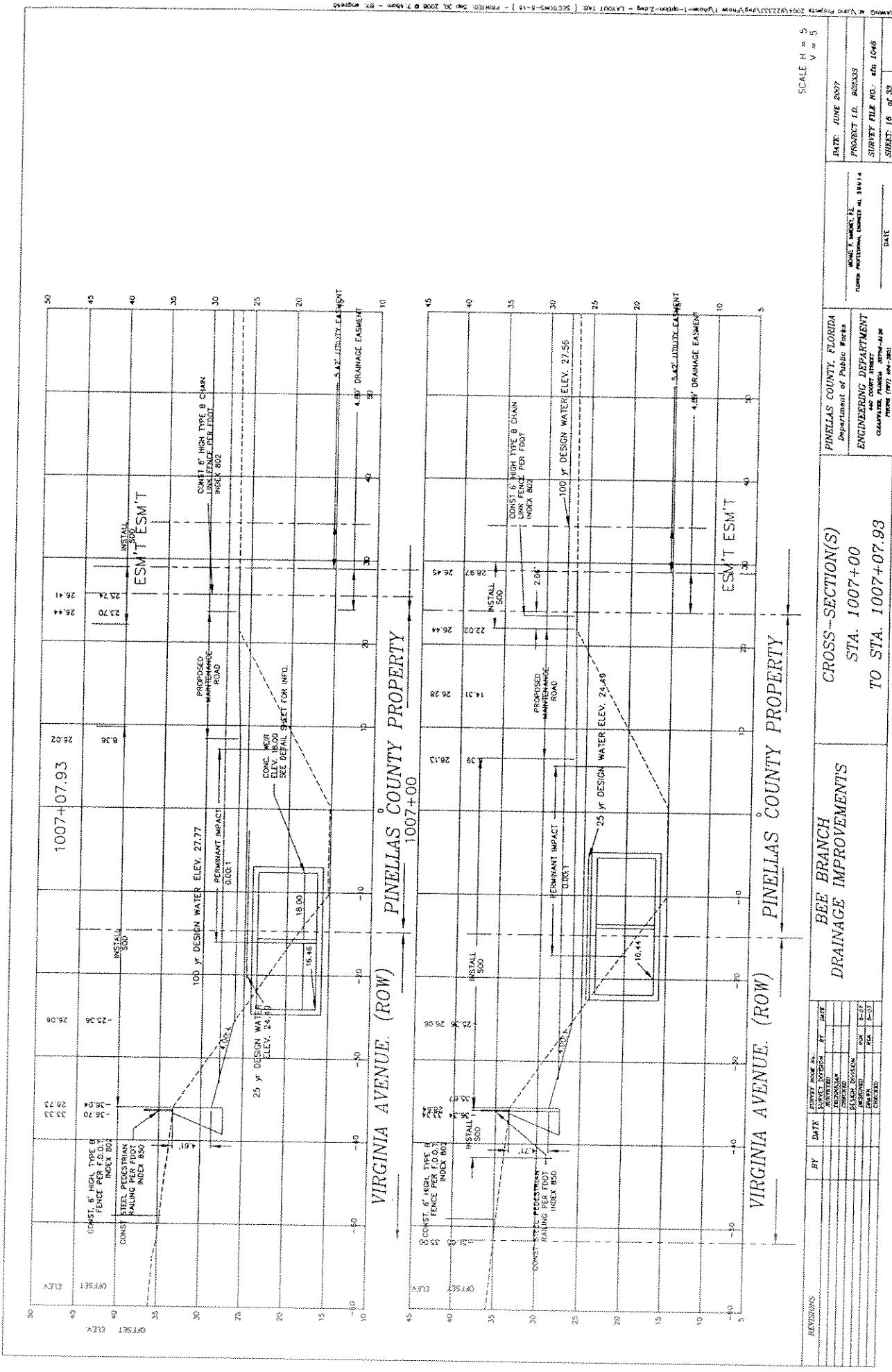
## PINELLAS COUNTY PROPERTY

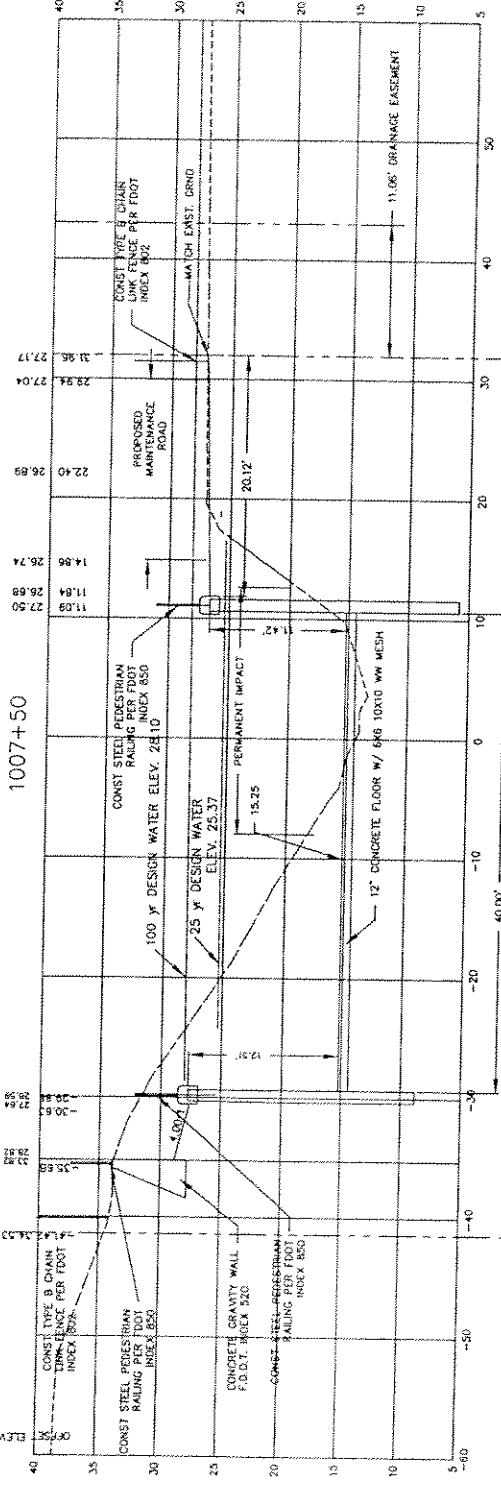


|         |  |    |                   |                       |                    |   |                    |
|---------|--|----|-------------------|-----------------------|--------------------|---|--------------------|
| REMARKS |  | BY | DATE SURVEYED NO. | BEE BRANCH            | CROSS-SECTION(S)   | PINELLAS COUNTY, FLORIDA<br>Department of Public Works            | DATE: JUNE 2007    |
|         |  |    |                   | DRAINAGE IMPROVEMENTS | STA. 1006+25       | WILLIAM E. McLELLAN, P.E.<br>Engineer, Pinellas County No. 3061 A | PROJECT ID: S20203 |
|         |  |    |                   |                       | TO STA. 1006+29.87 | SURVEY FILE NO.: 670148   | DATE: 10-19-07     |
|         |  |    |                   |                       |                    | CLERKSHIP: STEPHEN ALLEN<br>PHONE: (727) 464-3801                 |                    |
|         |  |    |                   |                       |                    | CHIEF SURVEYOR: STEPHEN ALLEN<br>PHONE: (727) 464-3801            |                    |
|         |  |    |                   |                       |                    | DATE:   |                    |

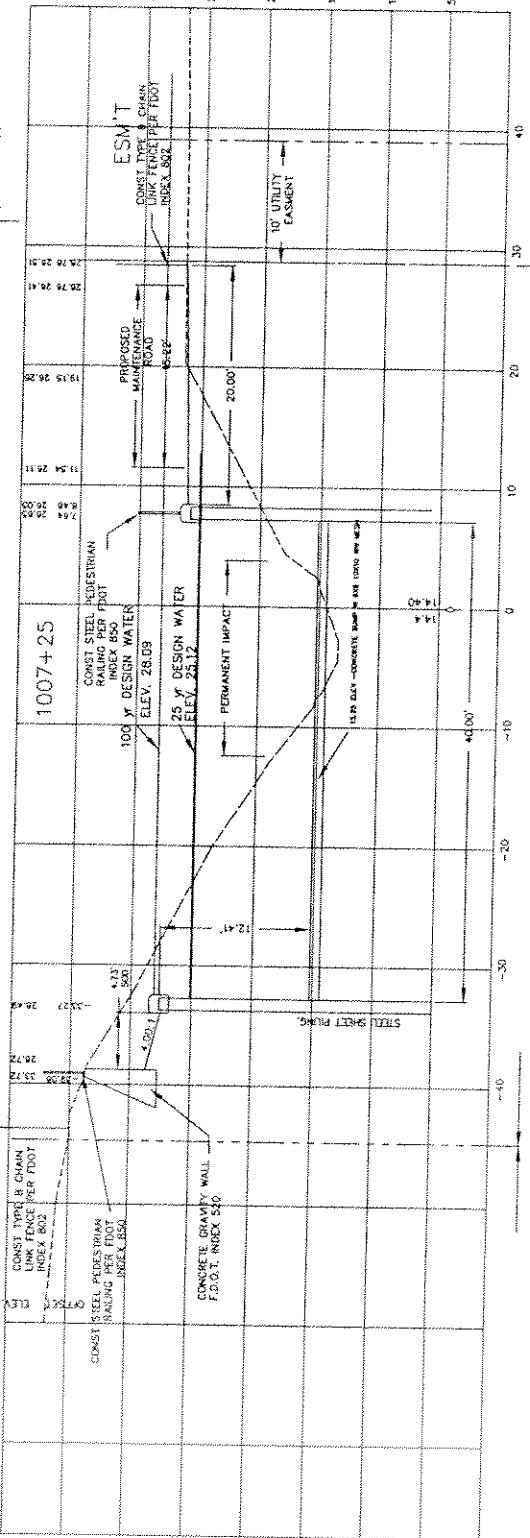








VIRGINIA AVE. (ROW)



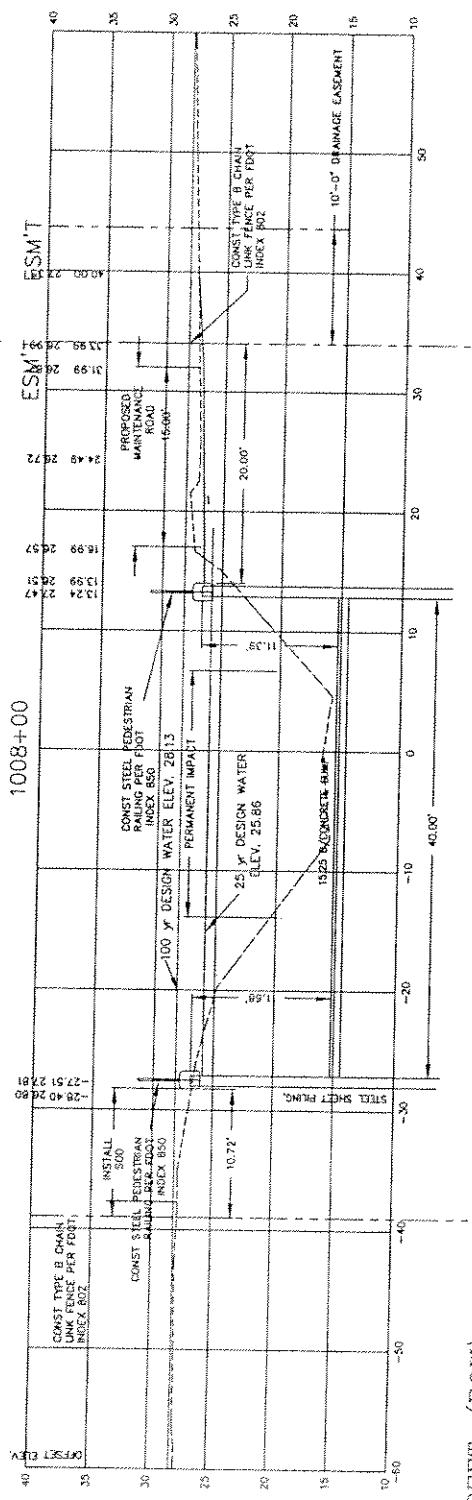
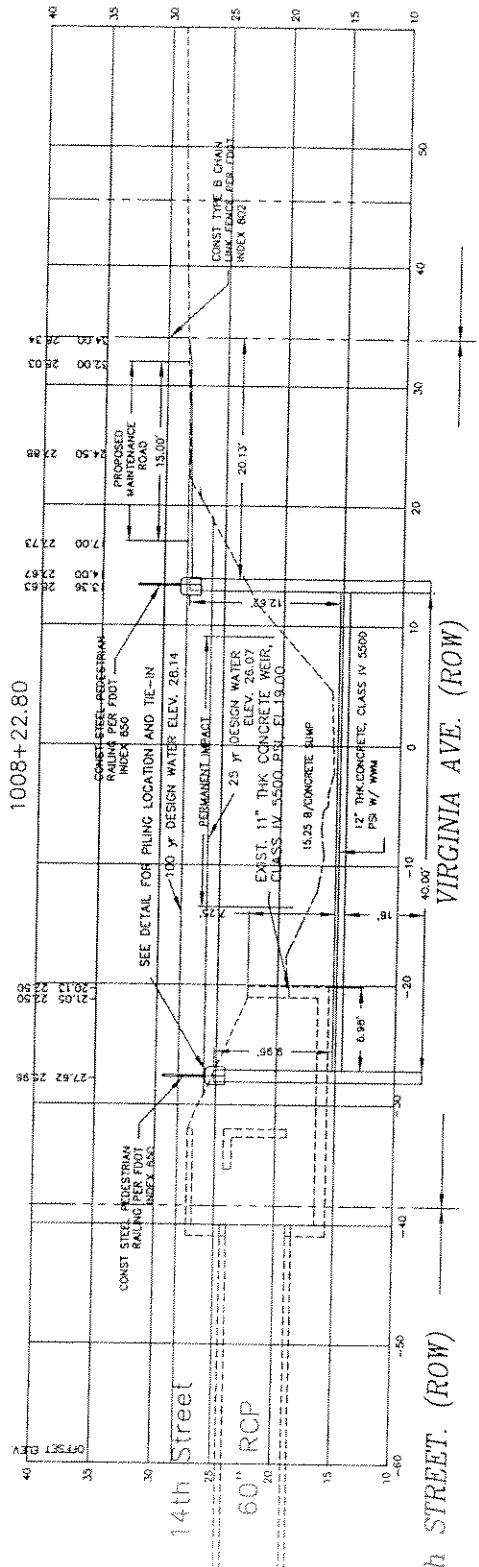
VIRGINIA AVE. (ROW)

**CROSS-SECTION(S)**  
**STA. 1007+23.74**  
**TO STA. 1007+50**

| DRAINAGE IMPROVEMENTS |              |
|-----------------------|--------------|
| BEE BRANCH            |              |
| DRAINAGE SECTION      |              |
| WATER SURVEY BY       | ED. JONES    |
| REVISION              | REVISION     |
| DESIGN                | DESIGN       |
| CONSTRUCTION          | CONSTRUCTION |
| OWNER                 | ED. JONES    |
| CONTRACTOR            | ED. JONES    |

PINELLAS COUNTY, FLORIDA  
 Department of Public Works  
 ENGINEERING DEPARTMENT  
 CLEARWATER, FLORIDA 34621

DATE: JUNE 2007  
 PROJECT ID: #2007-03  
 SURVEY FILE NO.: #00-1448

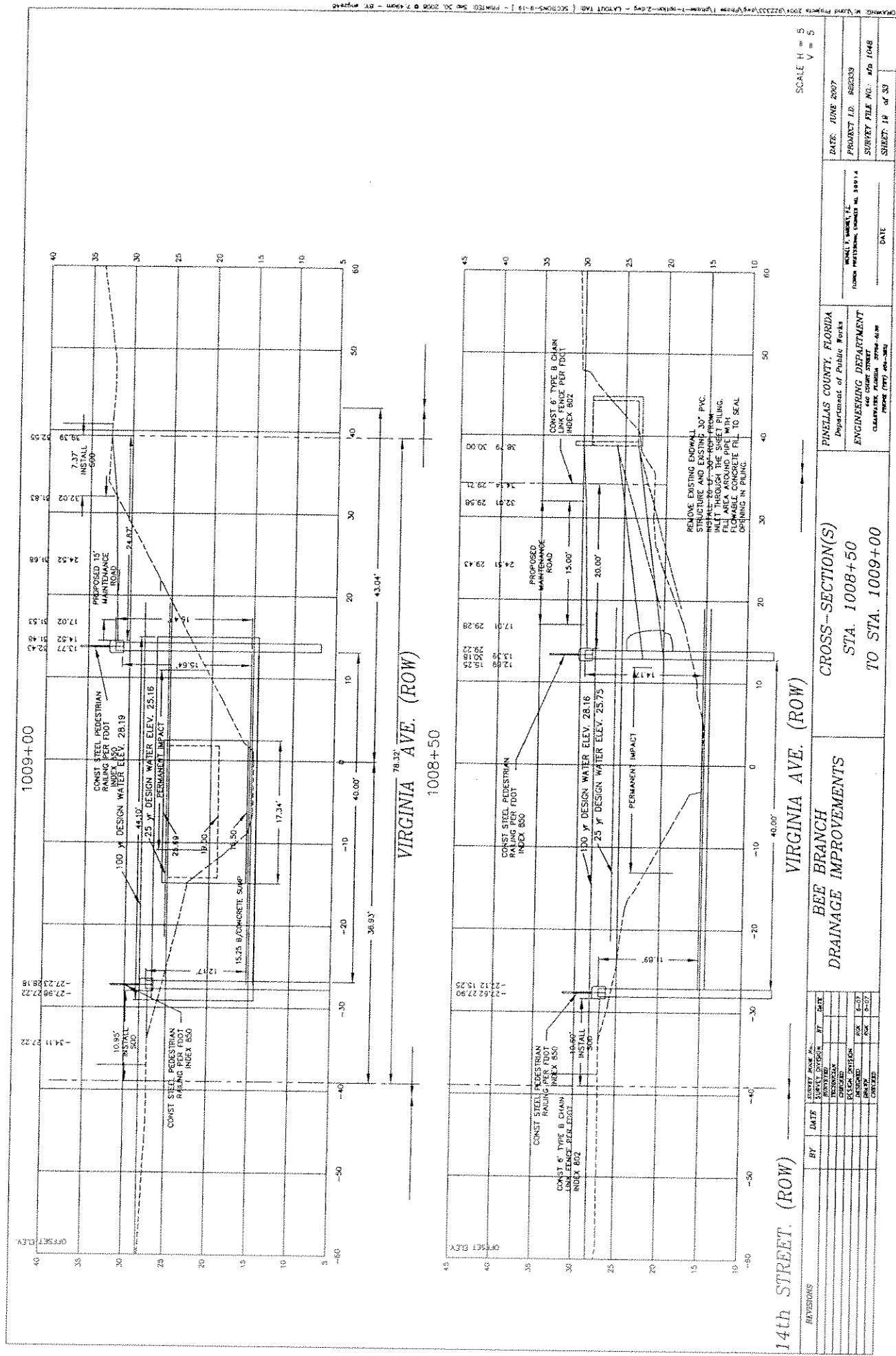


14th STREET. (ROW)

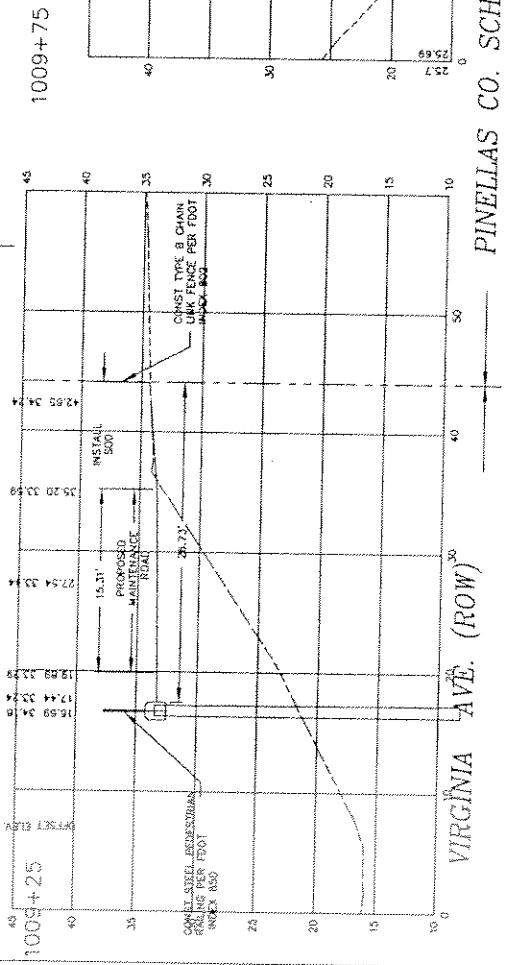
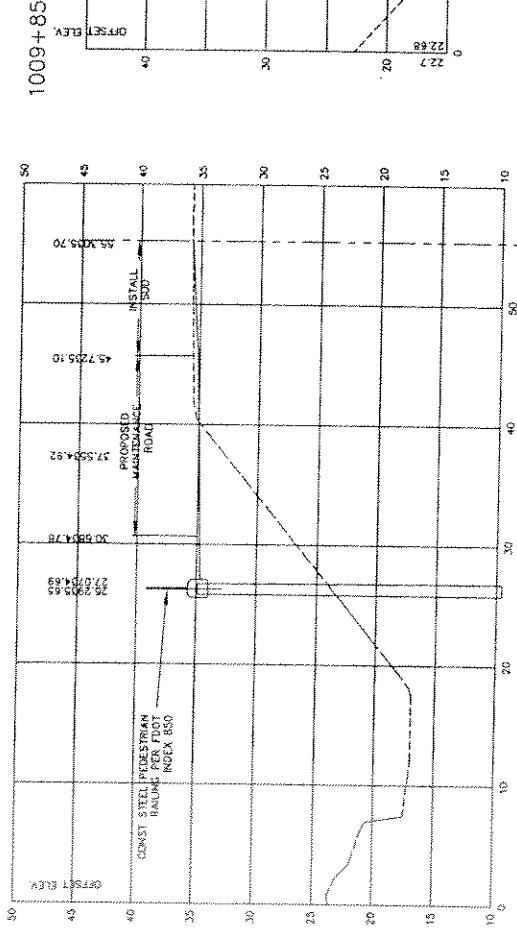
VIRGINIA AVE. (ROW)

| REVISIONS     | BY   | DATE | OWNER NAME & ADDRESS | CROSS-SECTION(S)      | PINELLAS COUNTY, FLORIDA<br>Department of Public Works                      |
|---------------|------|------|----------------------|-----------------------|---|
| SURVEY        |      |      |                      | DRAINAGE IMPROVEMENTS | ST. 1008+00   |
| REVISION      |      |      |                      |                       | ENGINEERING DEPARTMENT  |
| BLDG. SECTION |      |      |                      |                       | 400 COUNTY STREET<br>CLEARWATER, FLORIDA 34624-4000<br>PHONE (727) 442-4200 |
| ADDED         | 5/27 |      |                      |                       |   |
| CHANGED       | 5/27 |      |                      |                       |   |
| DELETED       | 5/27 |      |                      |                       |   |
| COMPLETED     |      |      |                      |                       |   |

|                           |                    |
|---------------------------|--------------------|
| SCALE H = 5               | V = 5              |
| DATE: JUNE 2007           | PROJECT ID: 982500 |
| SURVEY FILE NO.: 842 1544 | DATE:              |
| SHEET 18 of 30            |                    |



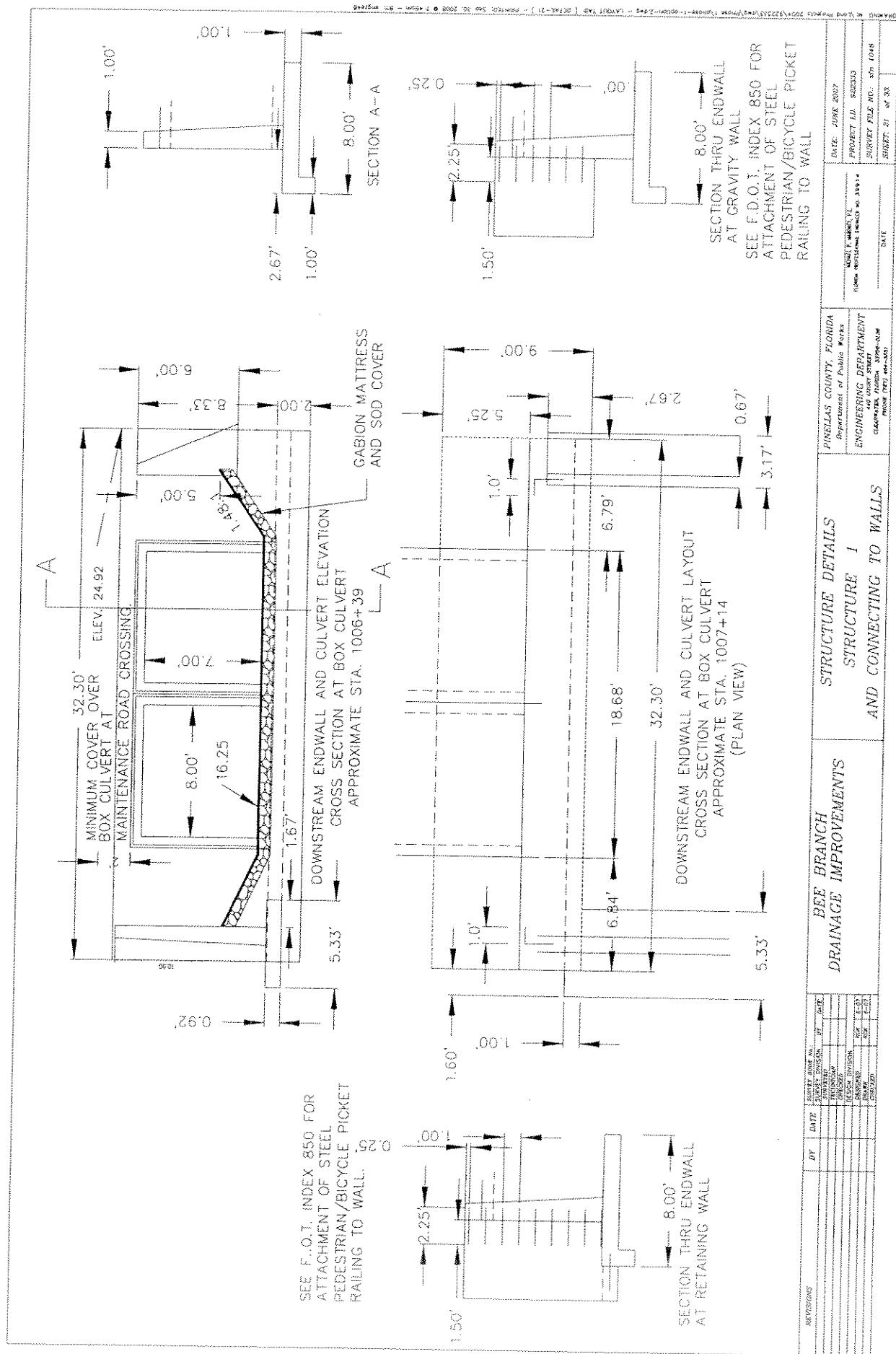
1009+50



| REVISIONS   | BY | SURVEY BOOK No. | DATE | NOTES |
|-------------|----|-----------------|------|-------|
| INITIAL     |    |                 |      |       |
| CHANGED     |    |                 |      |       |
| REMOVED     |    |                 |      |       |
| MAINTENANCE |    |                 |      |       |
| ADDED       |    |                 |      |       |
| CHANGED     |    |                 |      |       |

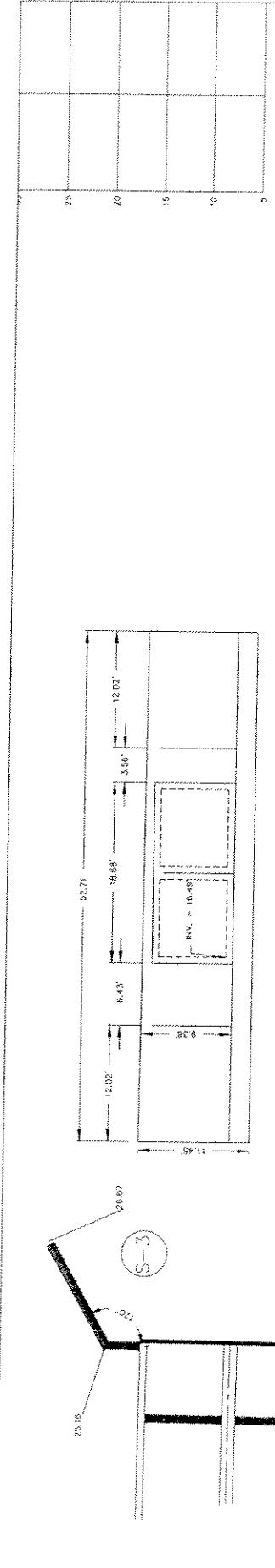
## PINELLAS CO. SCHOOL BOARD

| SCALE H = 5              |                         |
|--------------------------|-------------------------|
| V = 5                    | S                       |
| DATE: JUNE 2007          | PROJECT I.D. #622353    |
| PROJECT FILE NO. #611644 | SURVEY FILE NO. #611644 |
| DATE                     | SHEET: 50 of 50         |

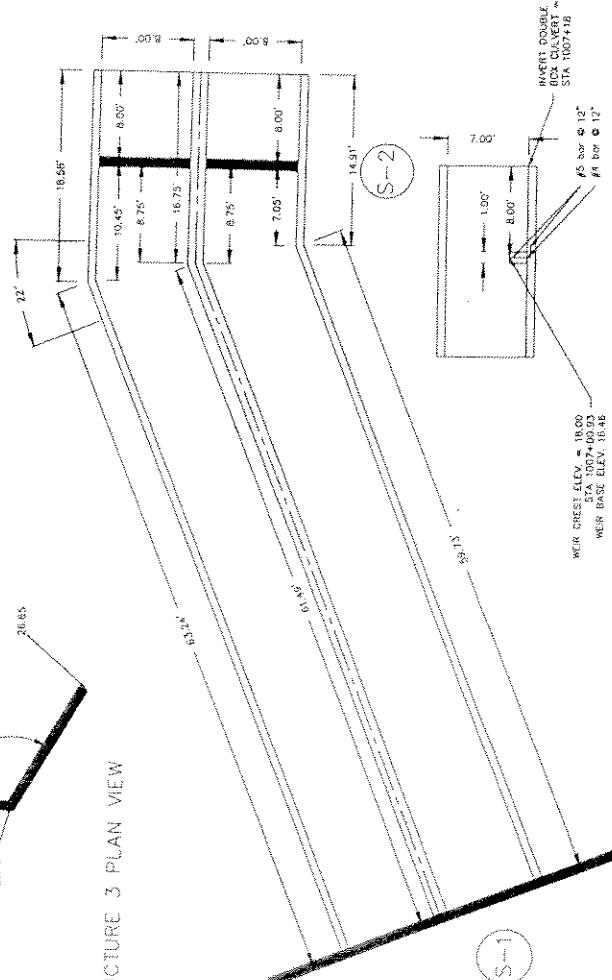


SEE F.O.T. INDEX 850 FOR  
A ATTACHMENT OF STEEL  
PEDESTRIAN/BICYCLE PIKEET  
RAILING TO WALL. 10



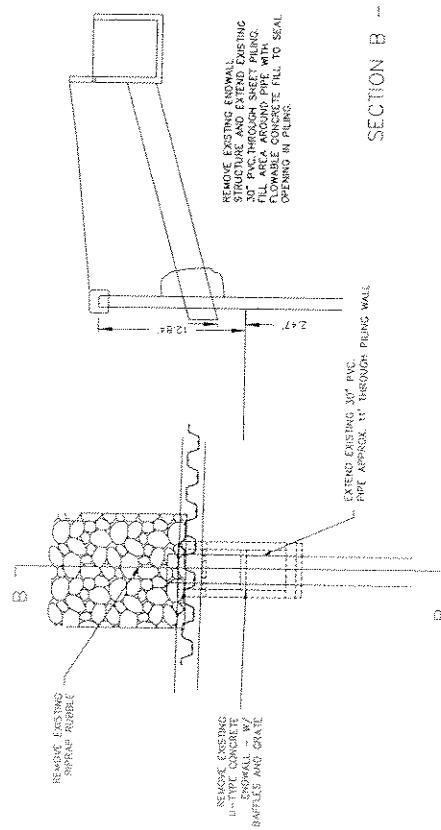
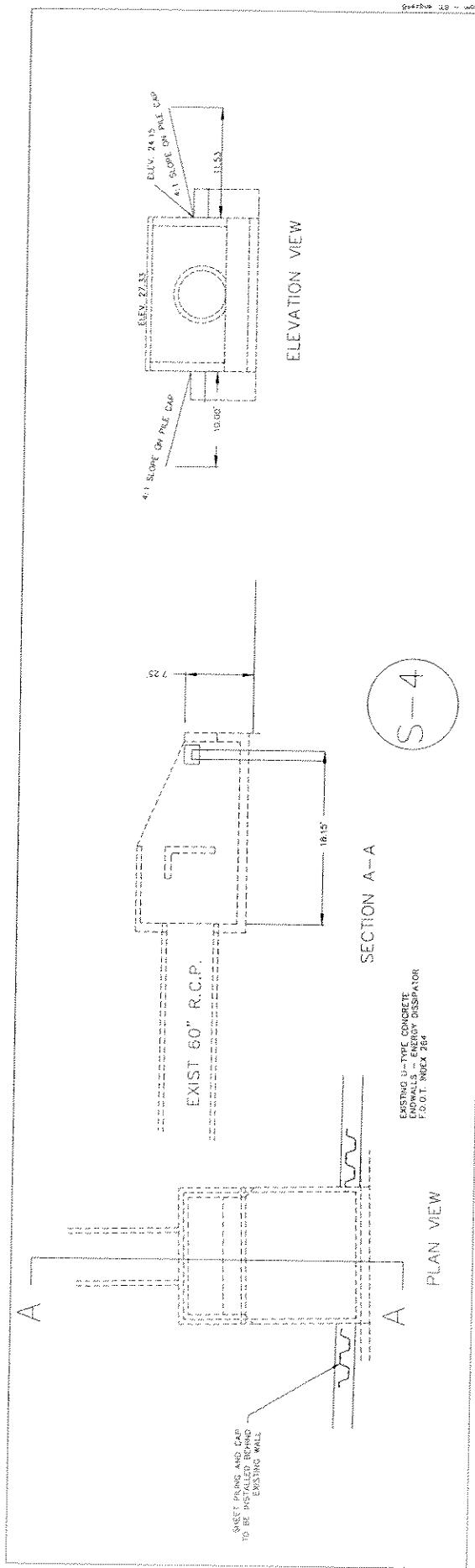


### STRUCTURE 3 ELEVATION VIEW



## STRUCTURE 2 DETAILS

X



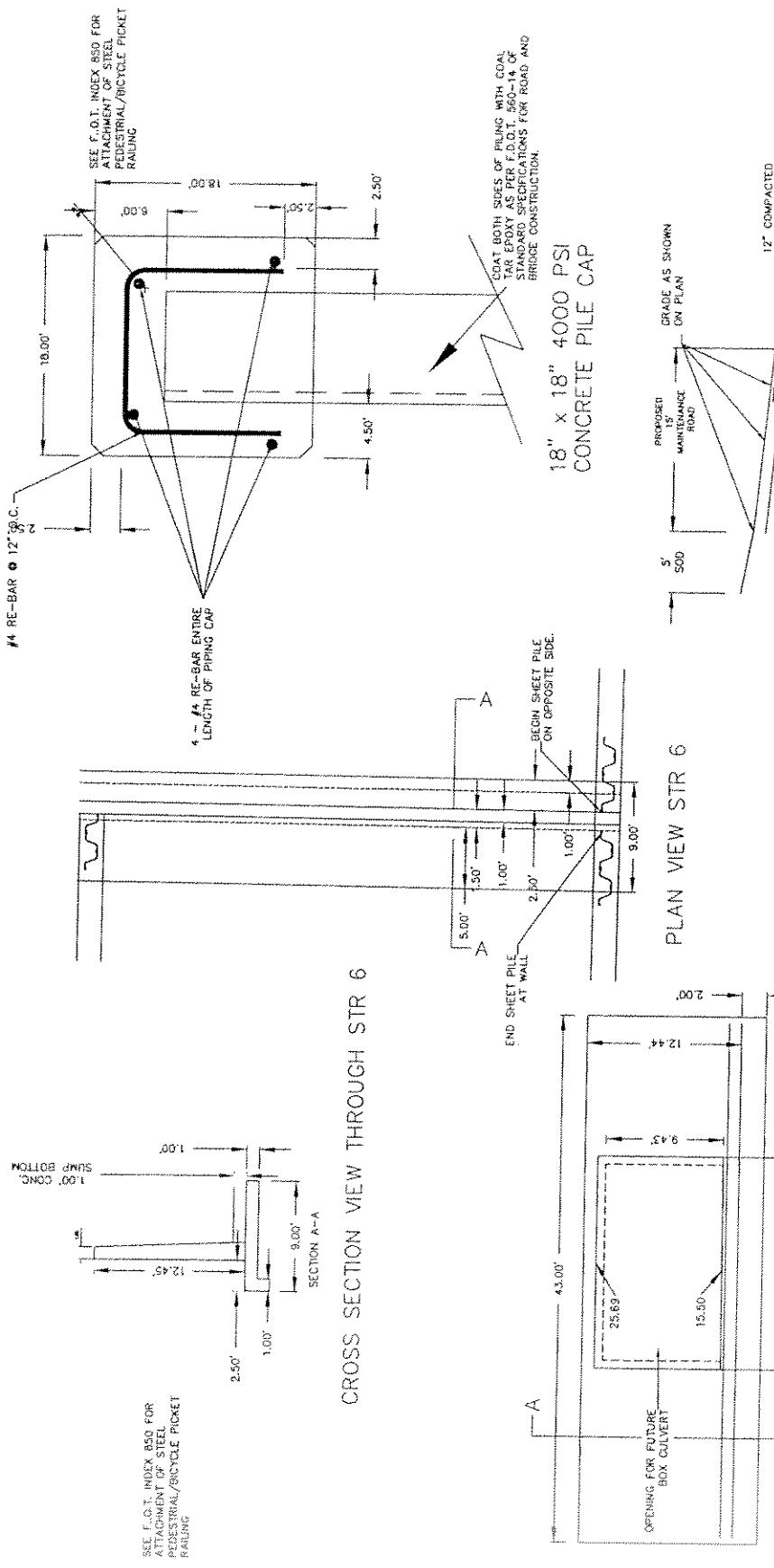
| REVISIONS      | BY              | DATE               | STRUCTURE DETAILS  | STRUCTURE DETAILS  | STRUCTURE DETAILS  | STRUCTURE DETAILS  |
|----------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| INITIAL        | REVISION        | REVISION           | REVISION           | REVISION           | REVISION           | REVISION           |
| CHIEF ENGINEER | SENIOR DESIGNER | STRUCTURE DIVISION |
| MANAGER        | DESIGNER        | MANAGER            | DESIGNER           | MANAGER            | DESIGNER           | MANAGER            |
| checked        | checked         | checked            | checked            | checked            | checked            | checked            |

NOTES:  
1. TYPIC CONCRETE  
ENDWALS = ENDWALS -  
F.O.T. INDEX 264

NOTES:  
1. TYPIC CONCRETE  
ENDWALS = ENDWALS -  
F.O.T. INDEX 264

NOTES:  
1. TYPIC CONCRETE  
ENDWALS = ENDWALS -  
F.O.T. INDEX 264

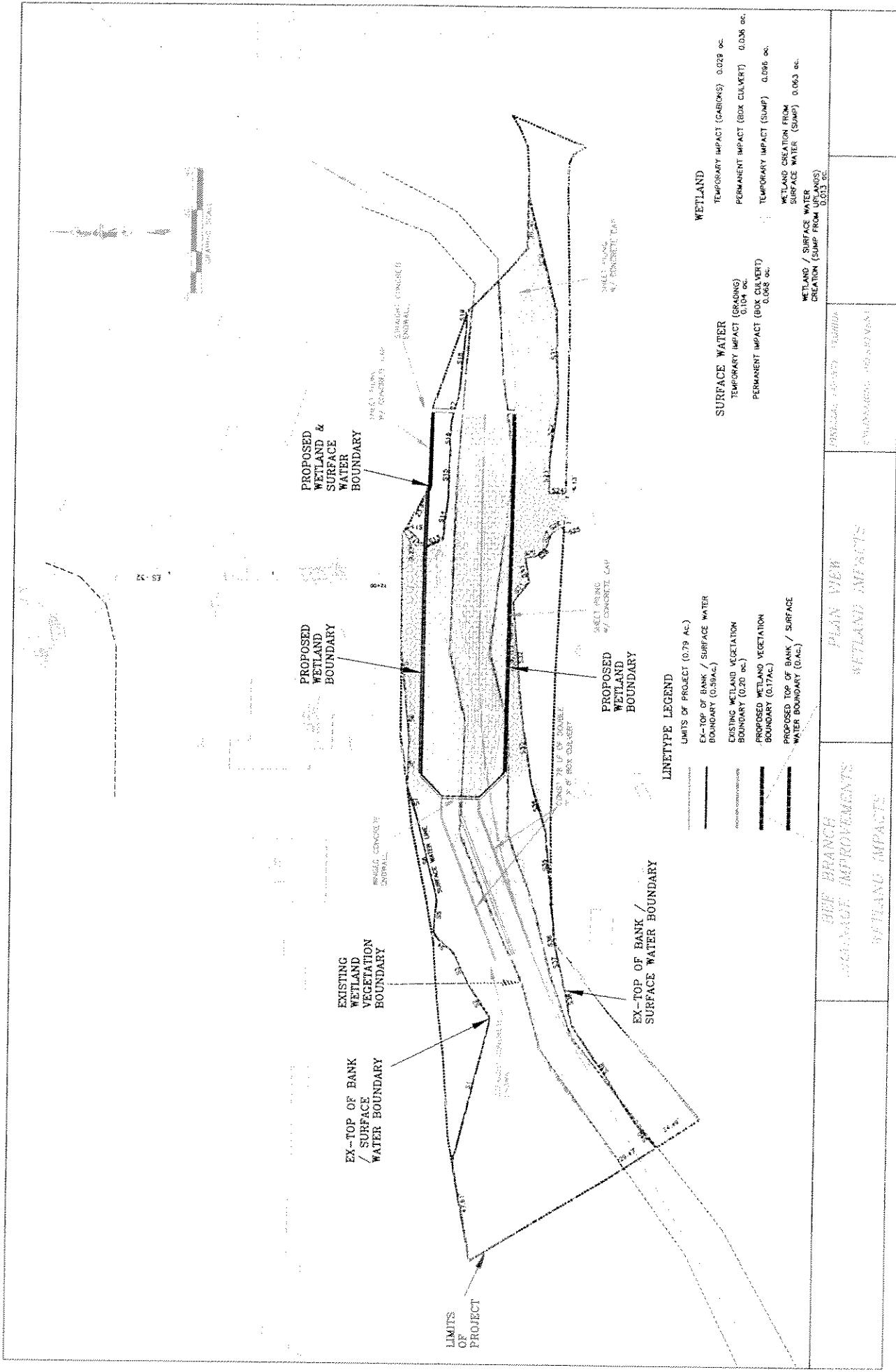
NOTES:  
1. TYPIC CONCRETE  
ENDWALS = ENDWALS -  
F.O.T. INDEX 264

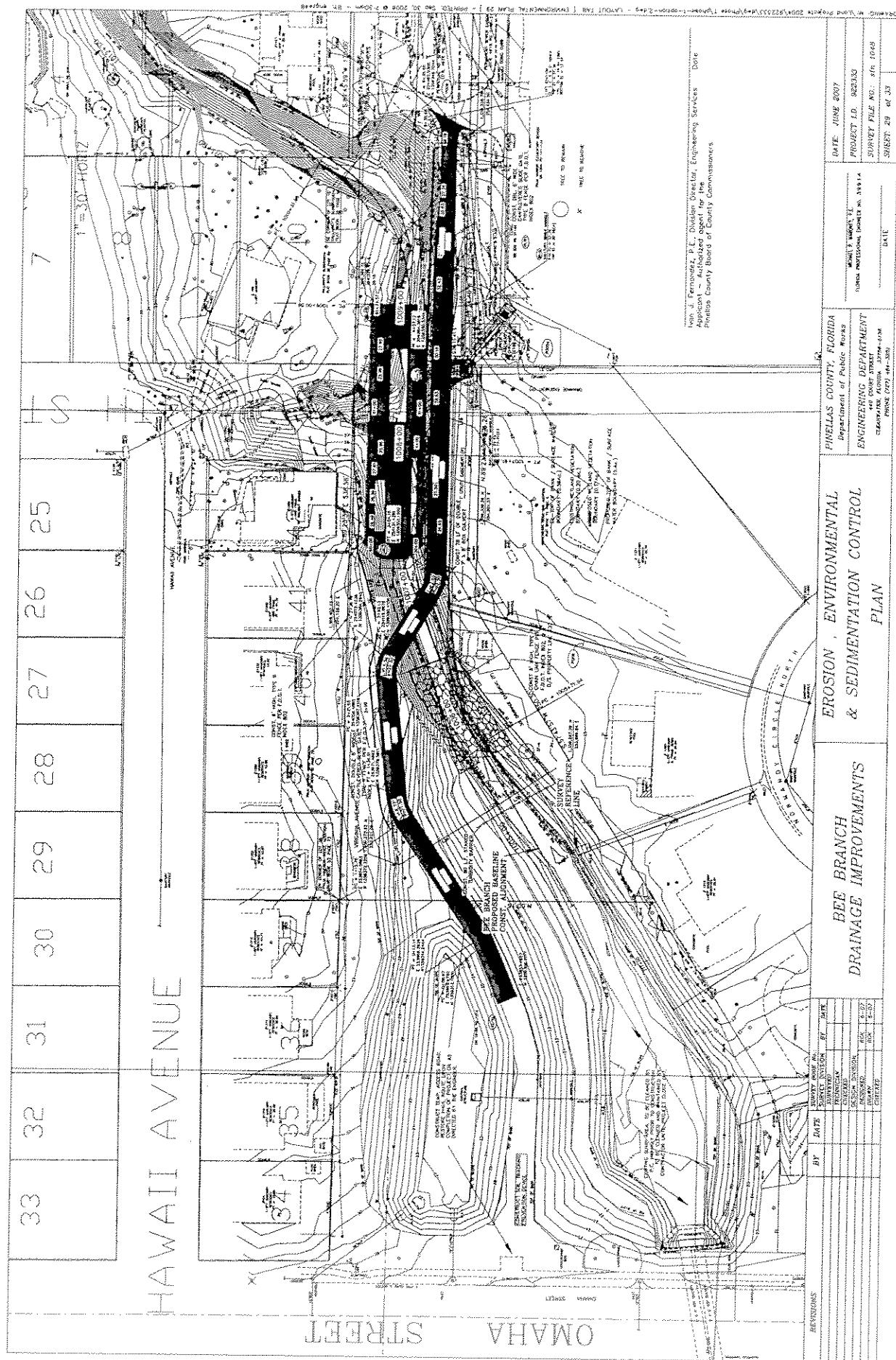


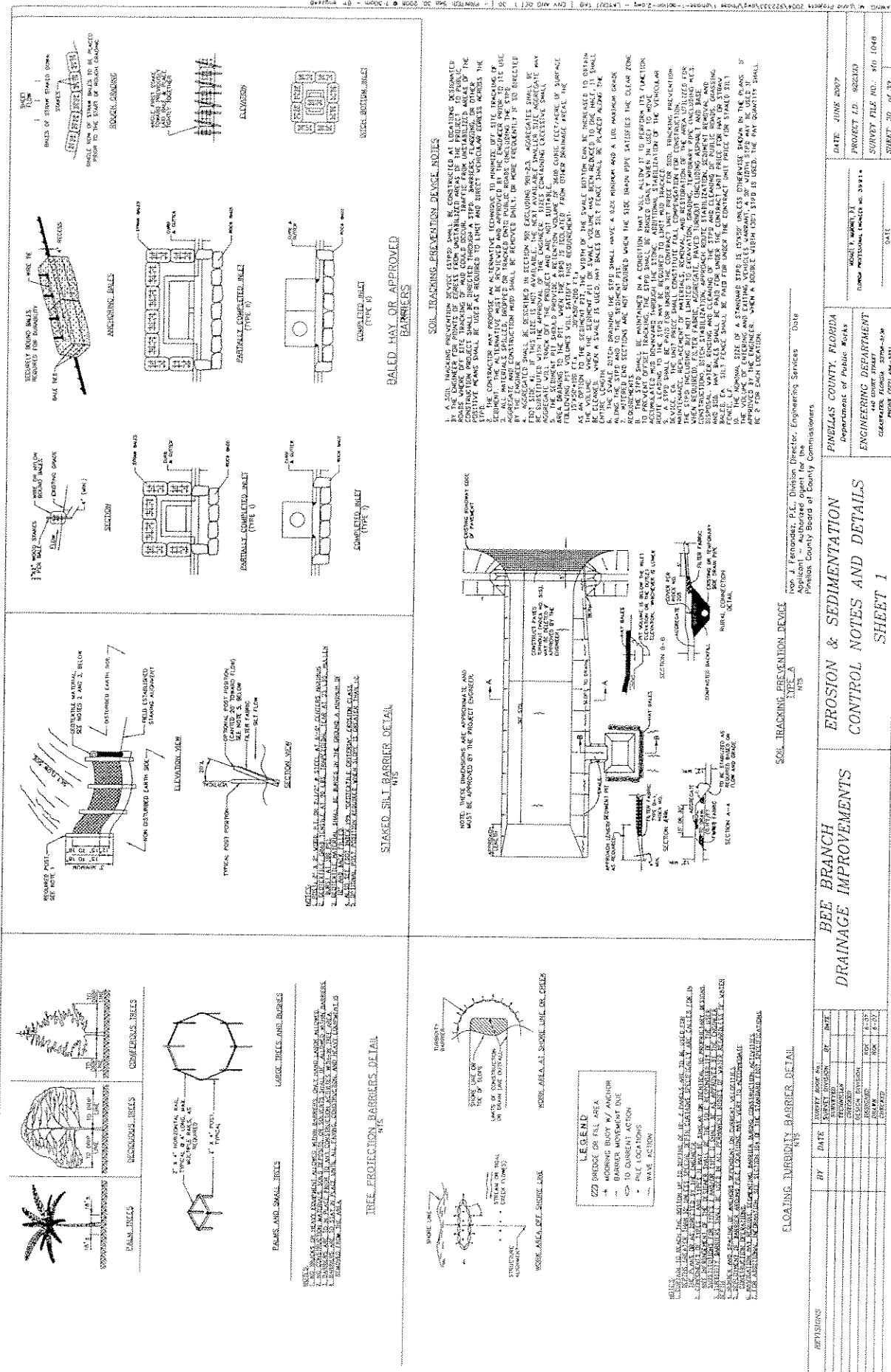
## TYPICAL SECTION MAINTENANCE ACCESS











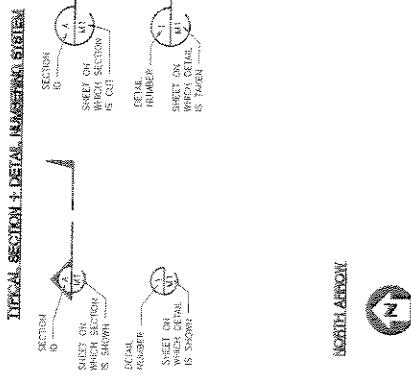
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SYNOPSIS

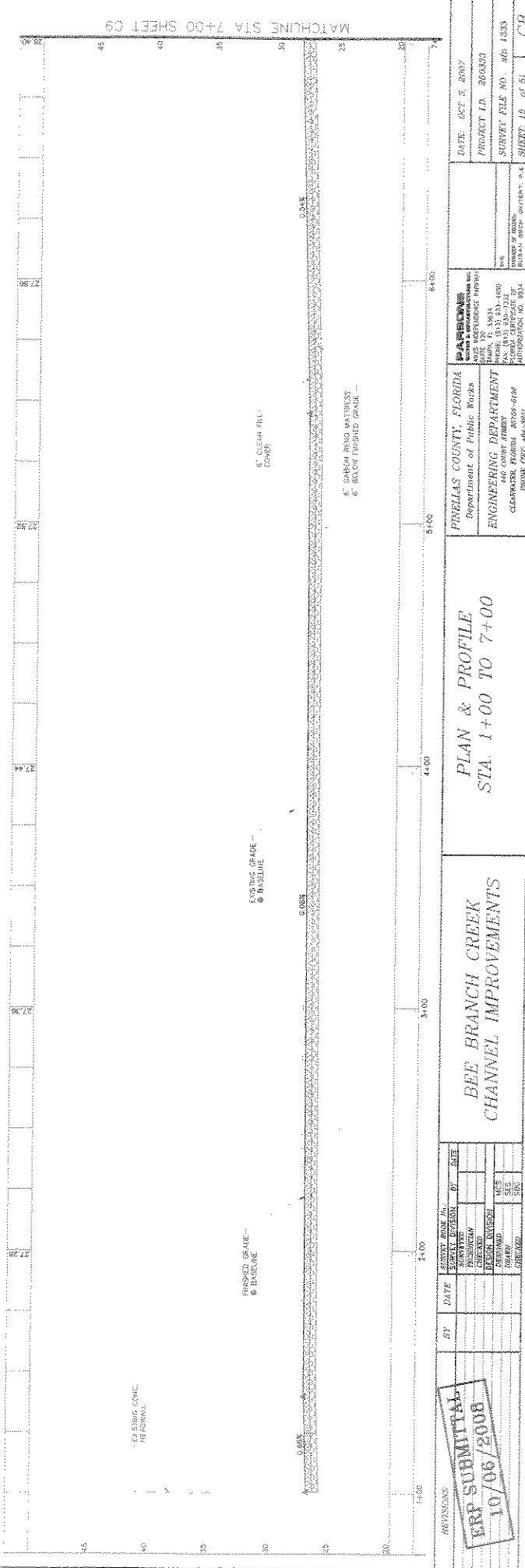
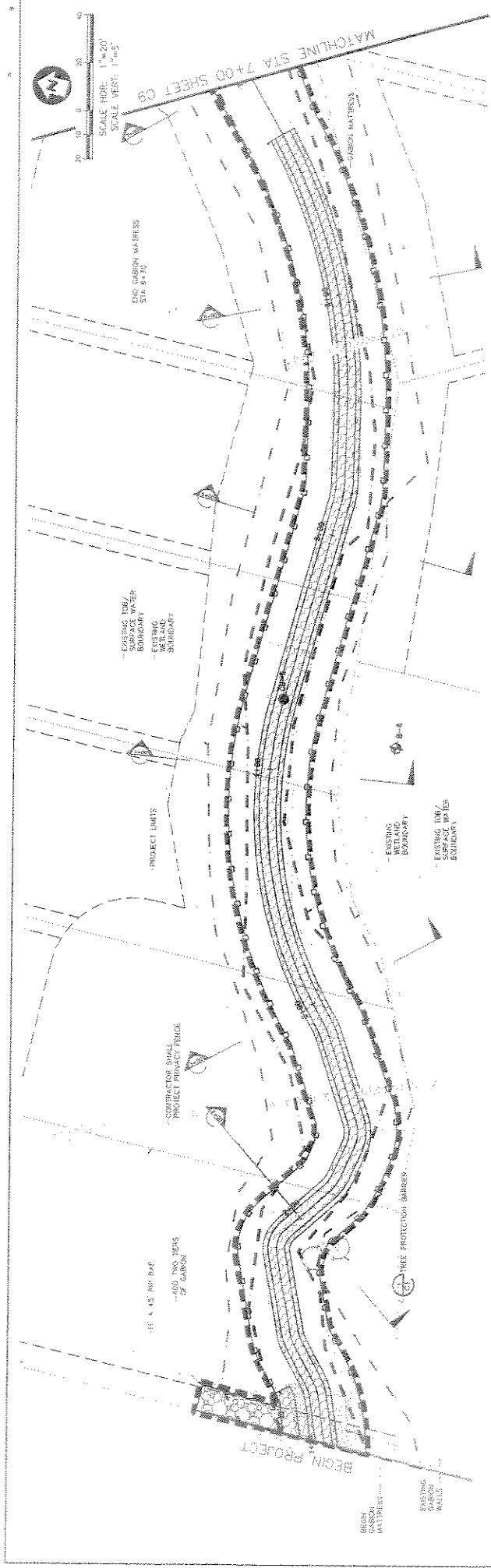


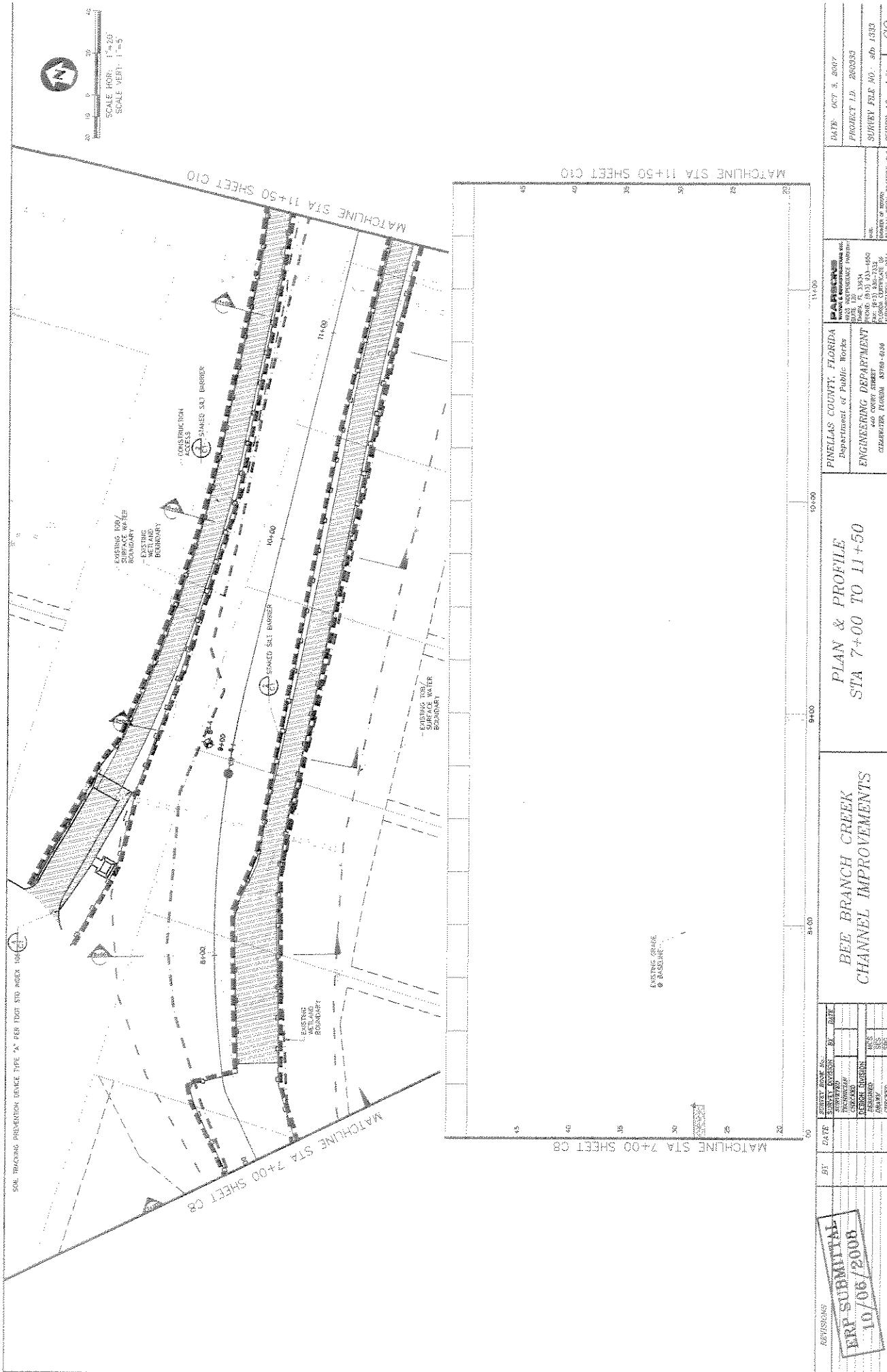
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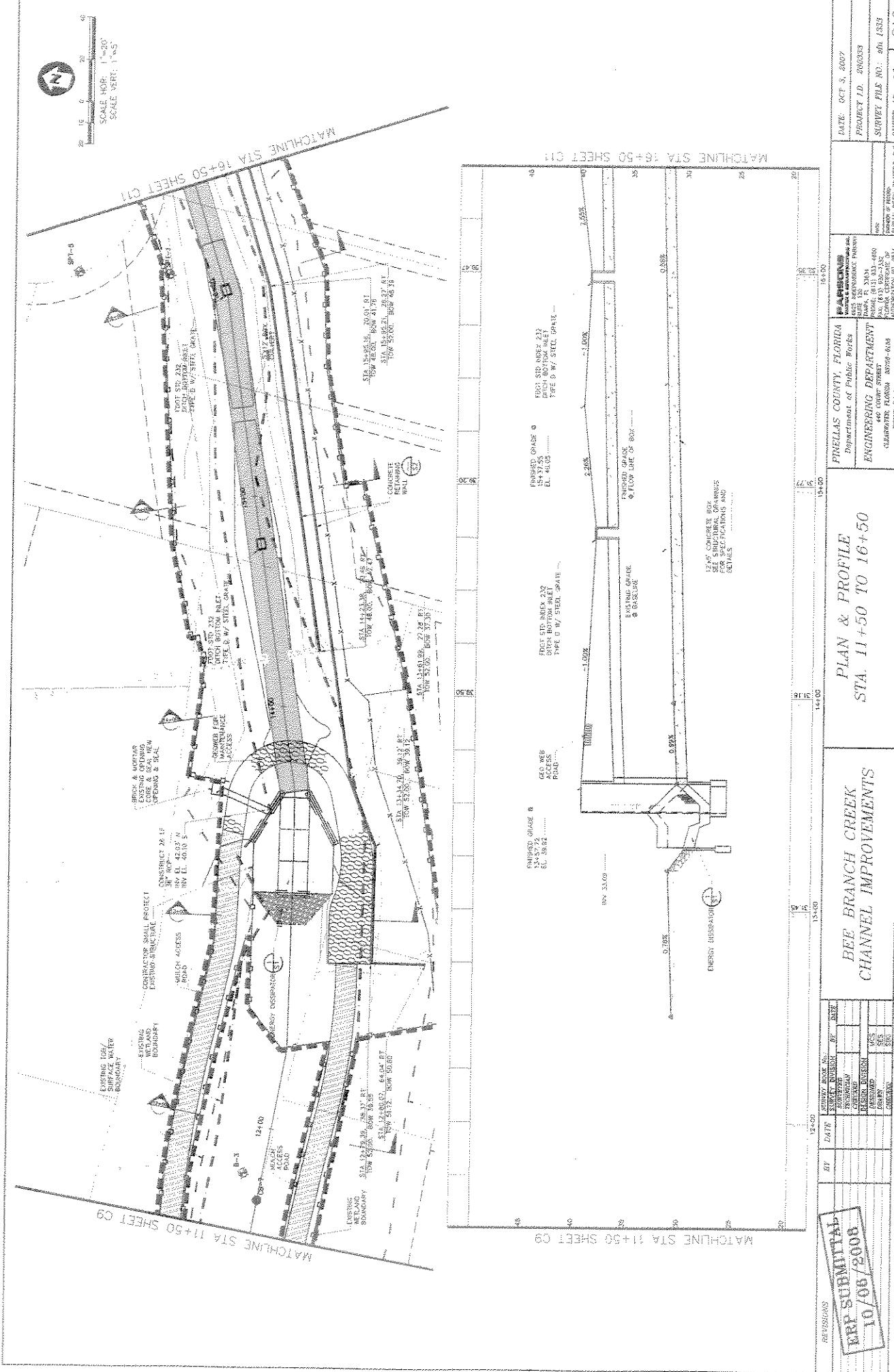


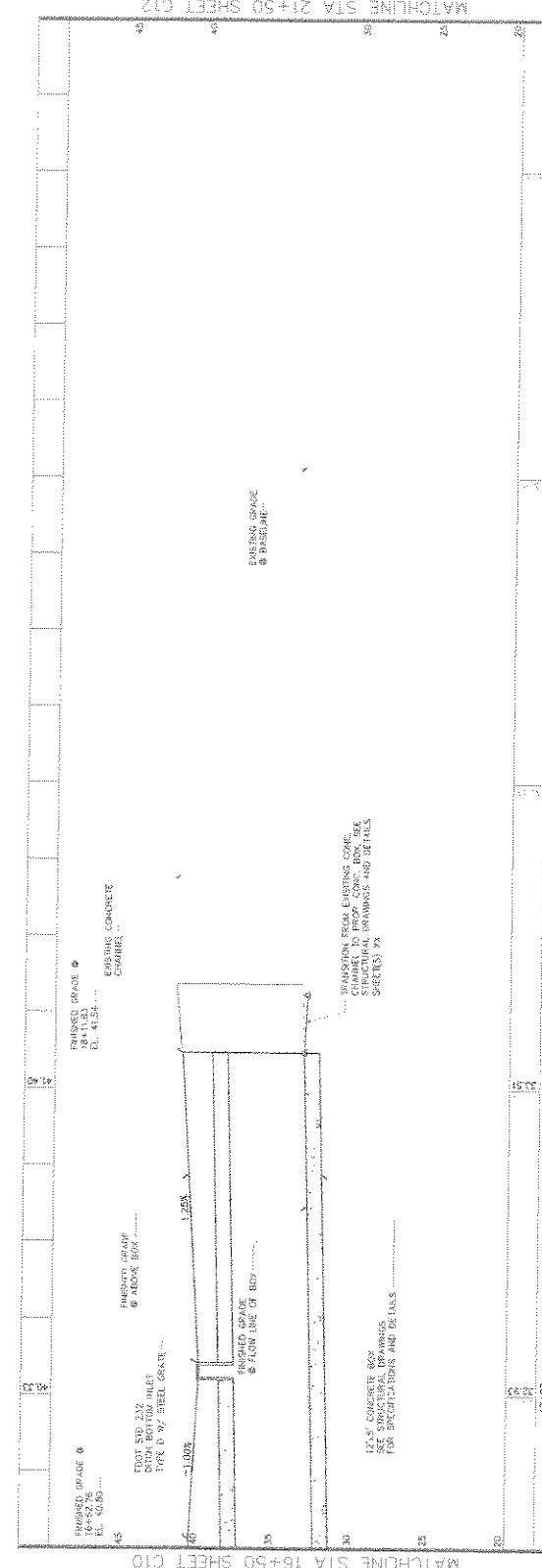
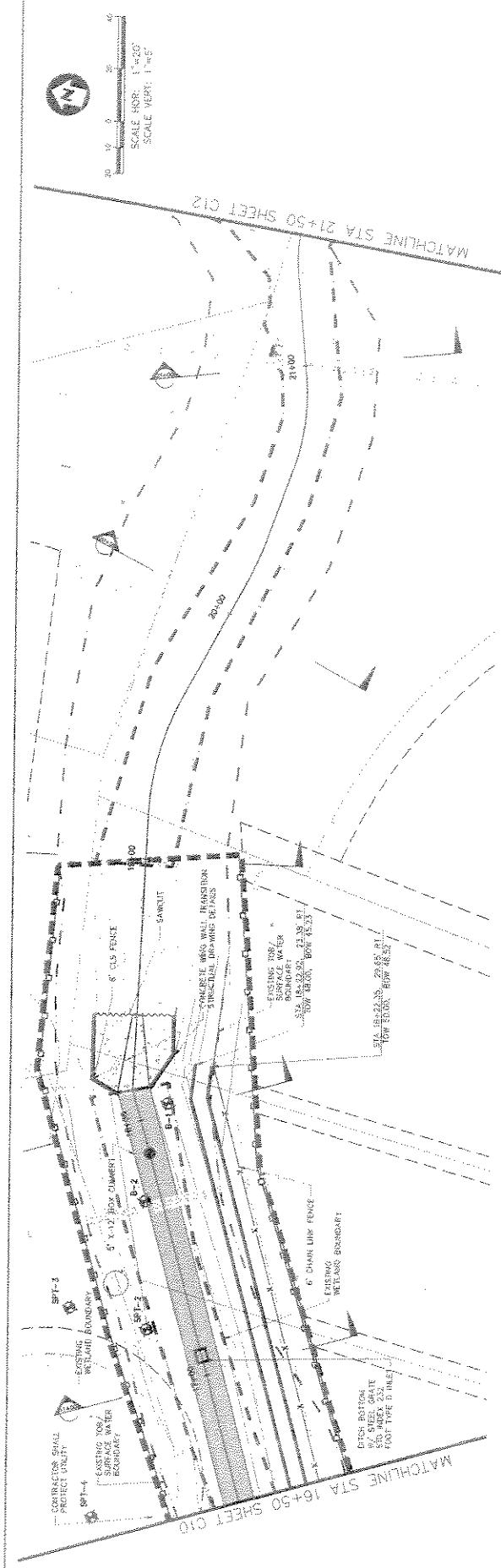


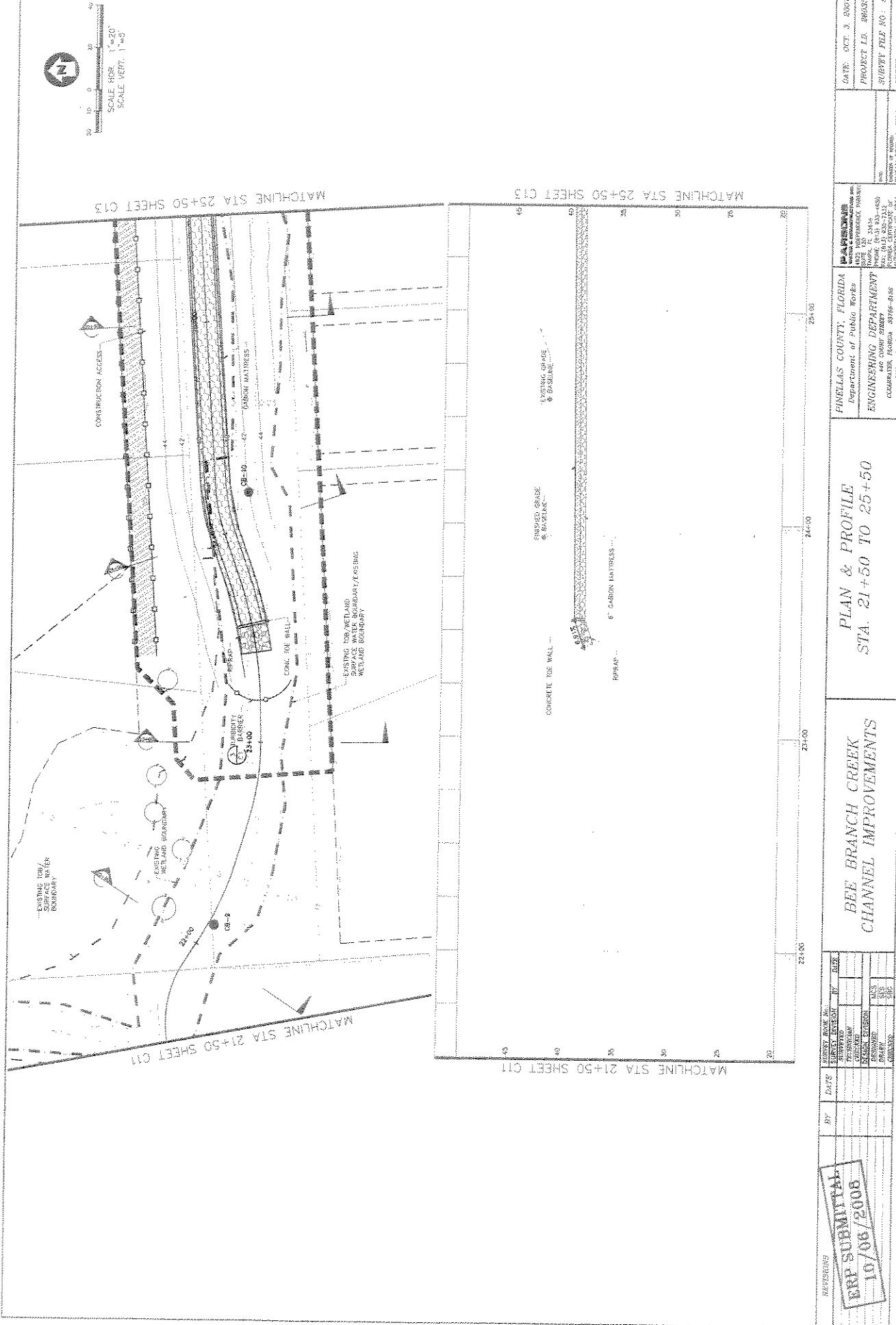


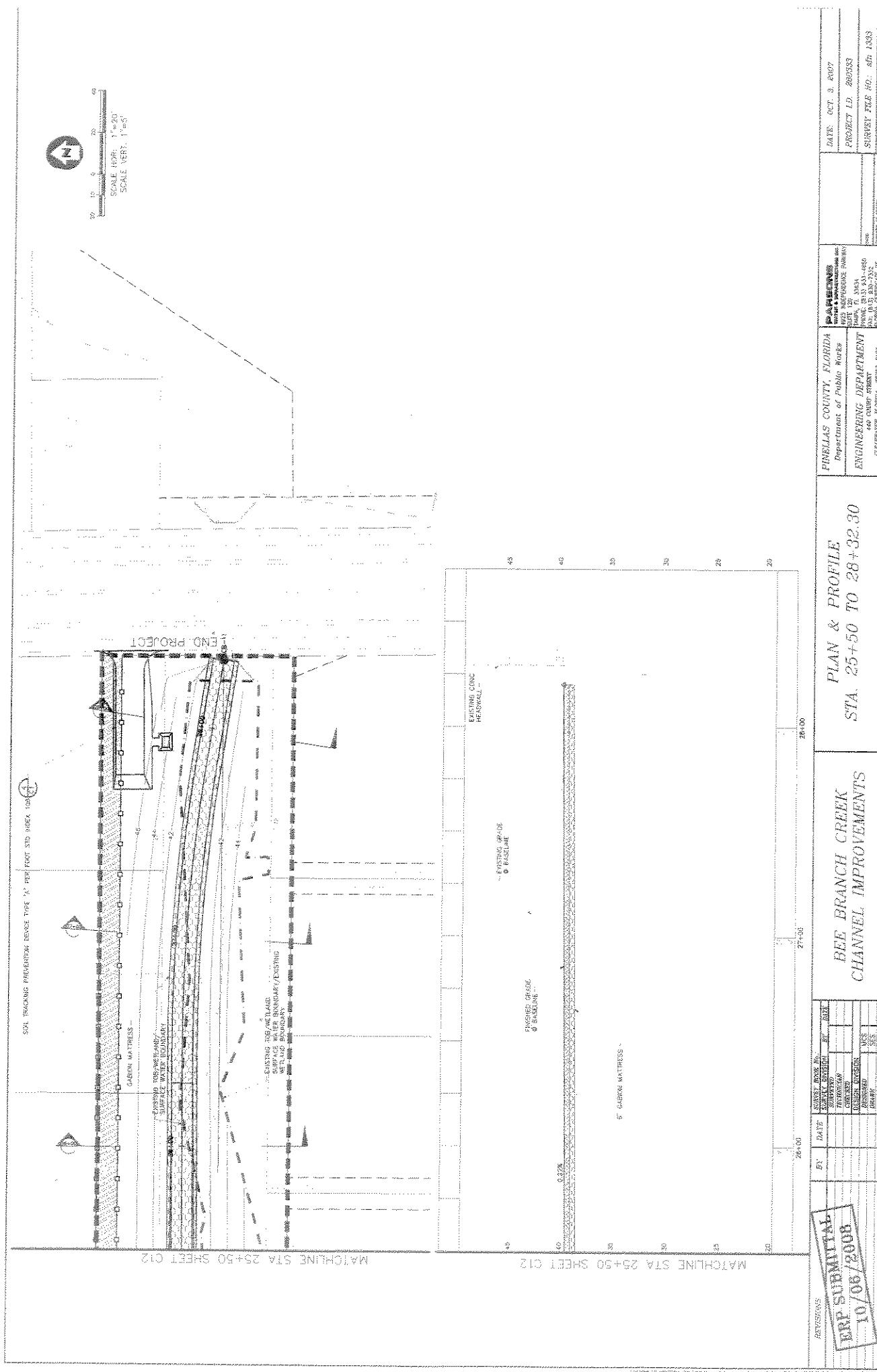


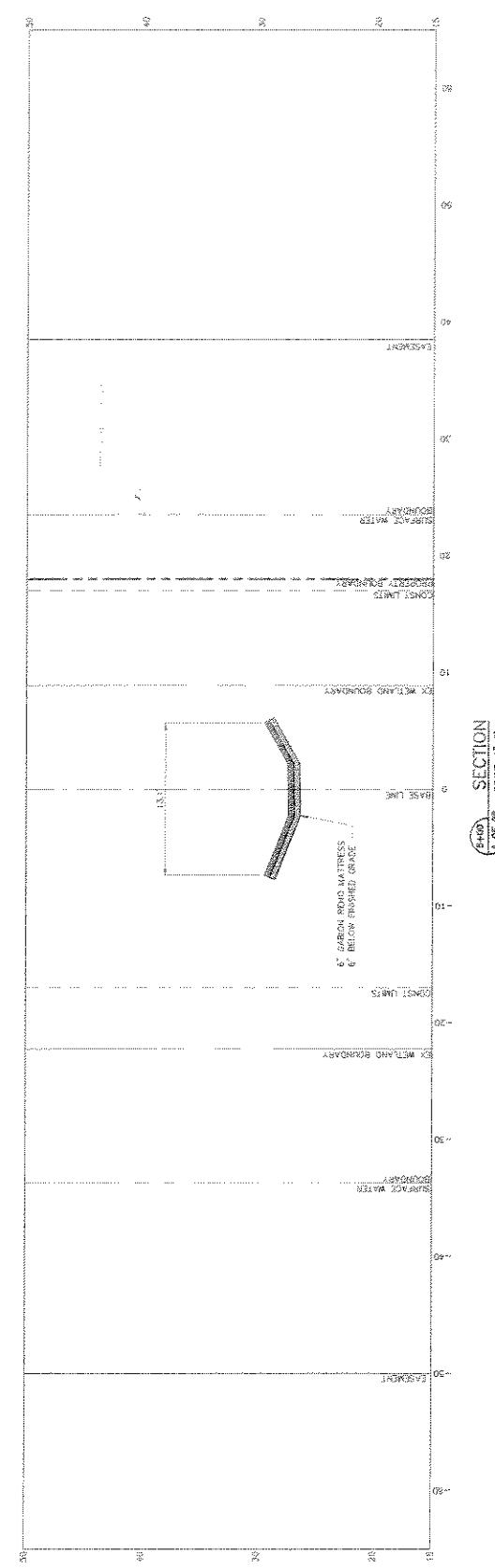
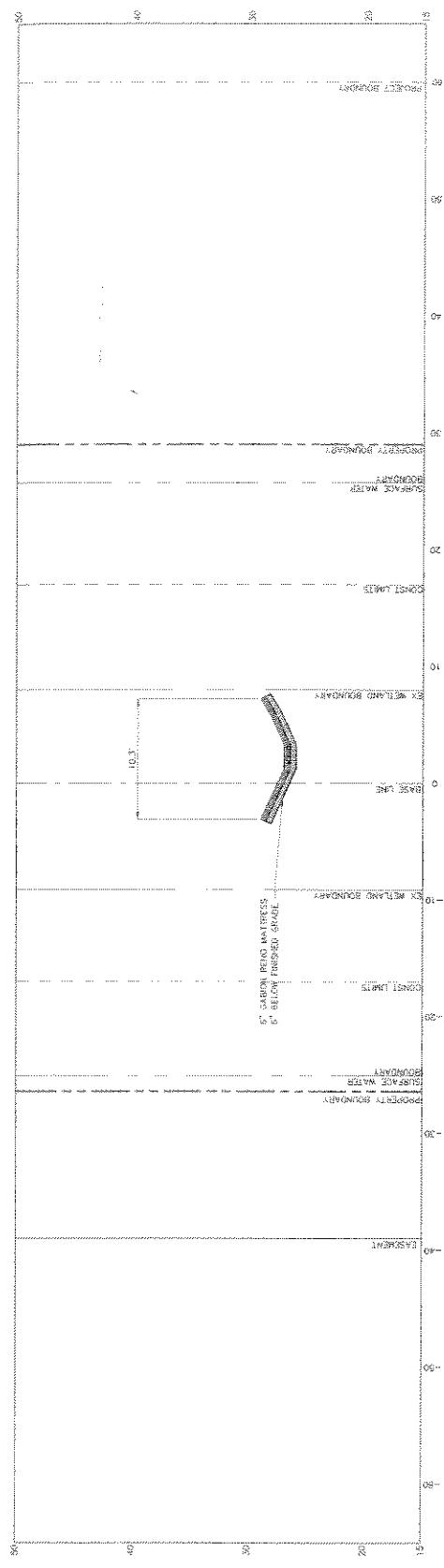










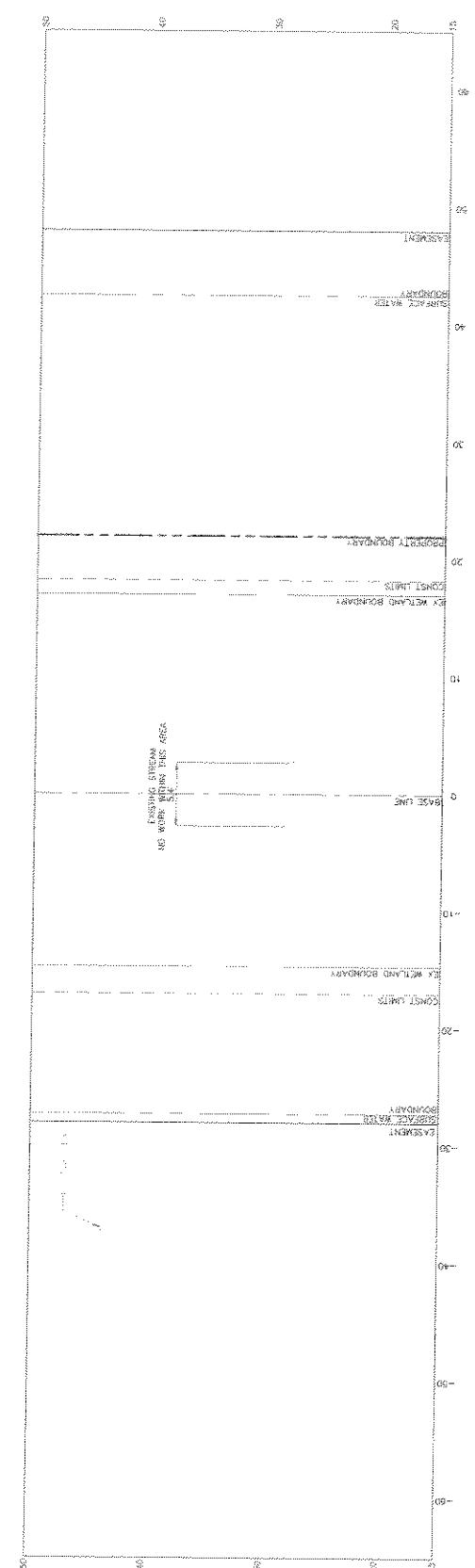
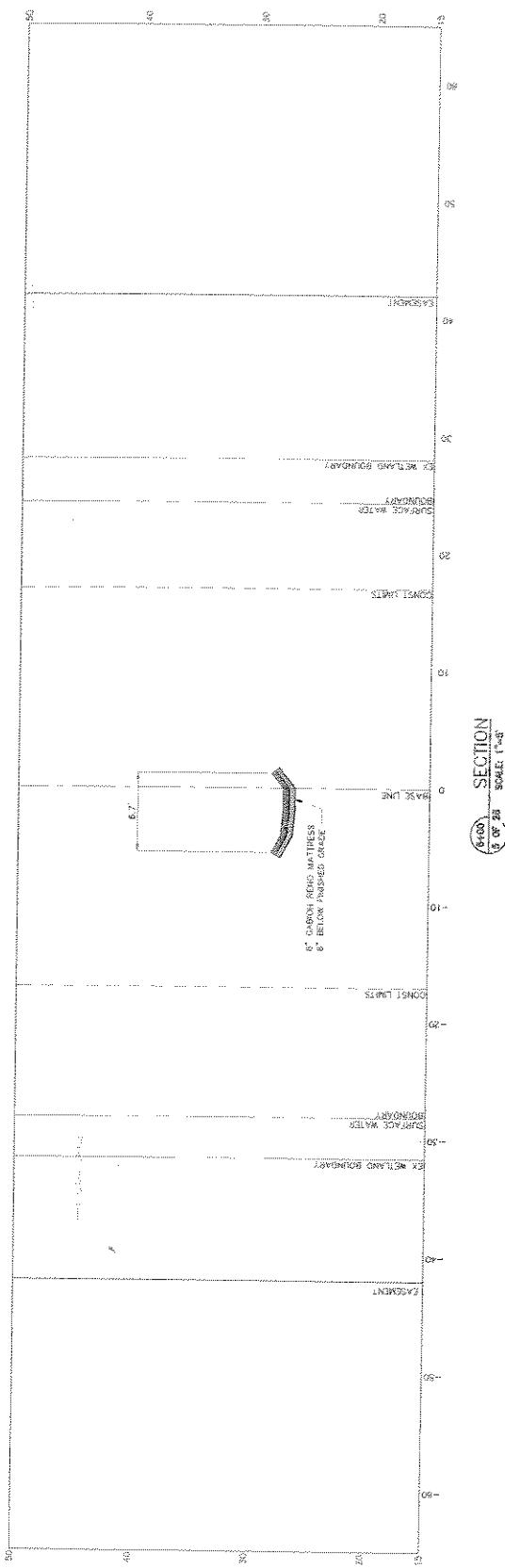


|                      |    |                     |    |      |
|----------------------|----|---------------------|----|------|
| REISSUE              | 37 | DATE SURVEY MADE ON | BY | DATE |
| SUBDIVISION SURVEYED |    |                     |    |      |
| FIREBREAKS           |    |                     |    |      |
| CROWN                |    |                     |    |      |
| DEEDS                |    |                     |    |      |
| TAXES                |    |                     |    |      |
| TREES                |    |                     |    |      |
| WATER                |    |                     |    |      |

**ERP SUBMITTAL**

10/06/2008

|                |                          |   |  |
|----------------|--------------------------|---|--|
| CROSS SECTIONS | PINELANDS COUNTY FLORIDA | Department of Public Works<br>Engineering Department<br>440 Court Street<br>Cape Coral, Florida 33990 | DATE OCT 3 2007<br>PROJECT ID: 285355<br>SURVEY FILE NO.<br>STREETS 25 & 51 C 17 |
|----------------|--------------------------|---|--|

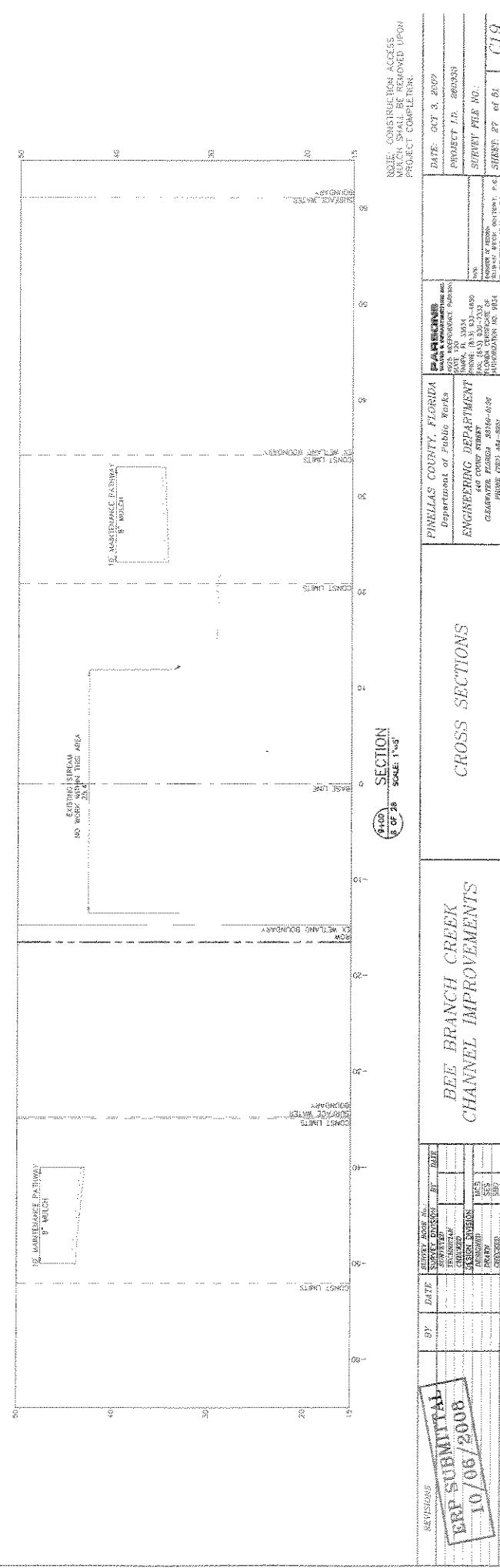
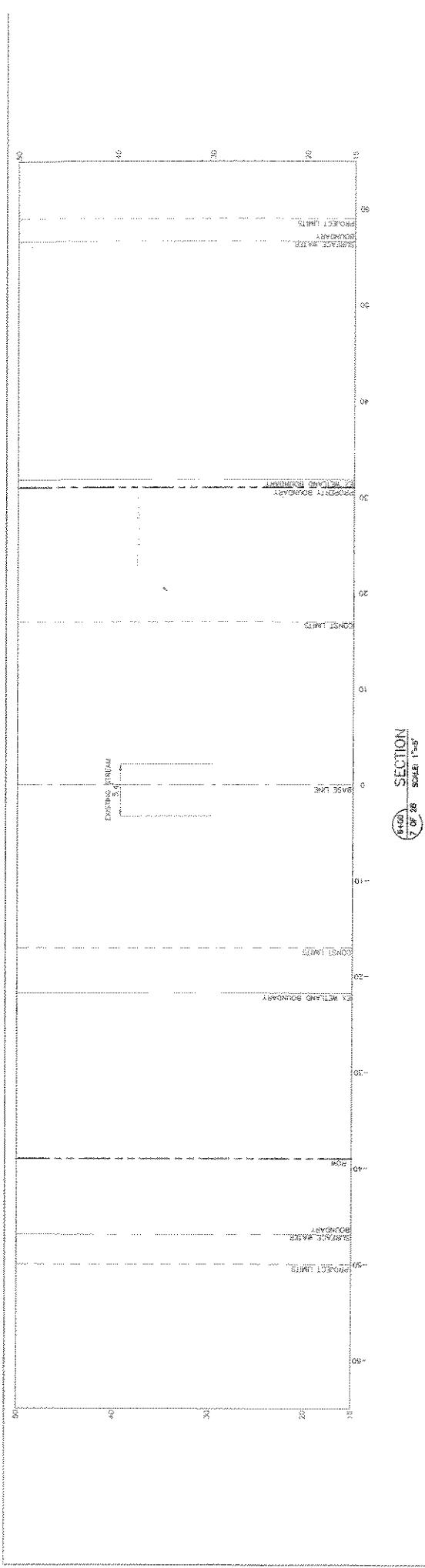


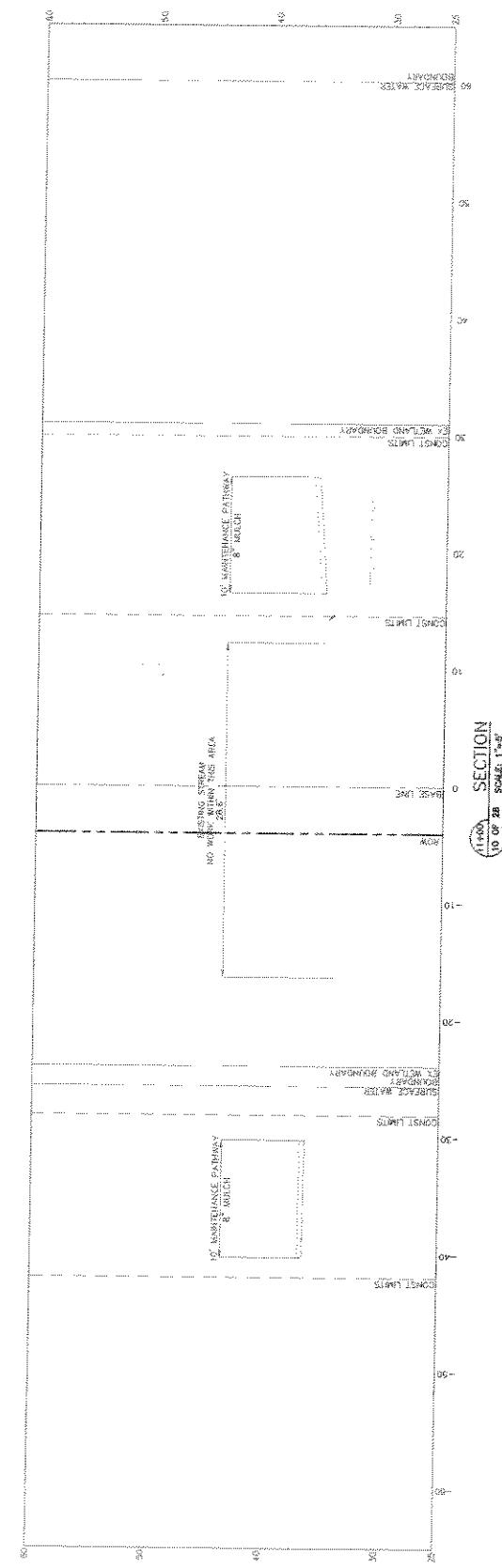
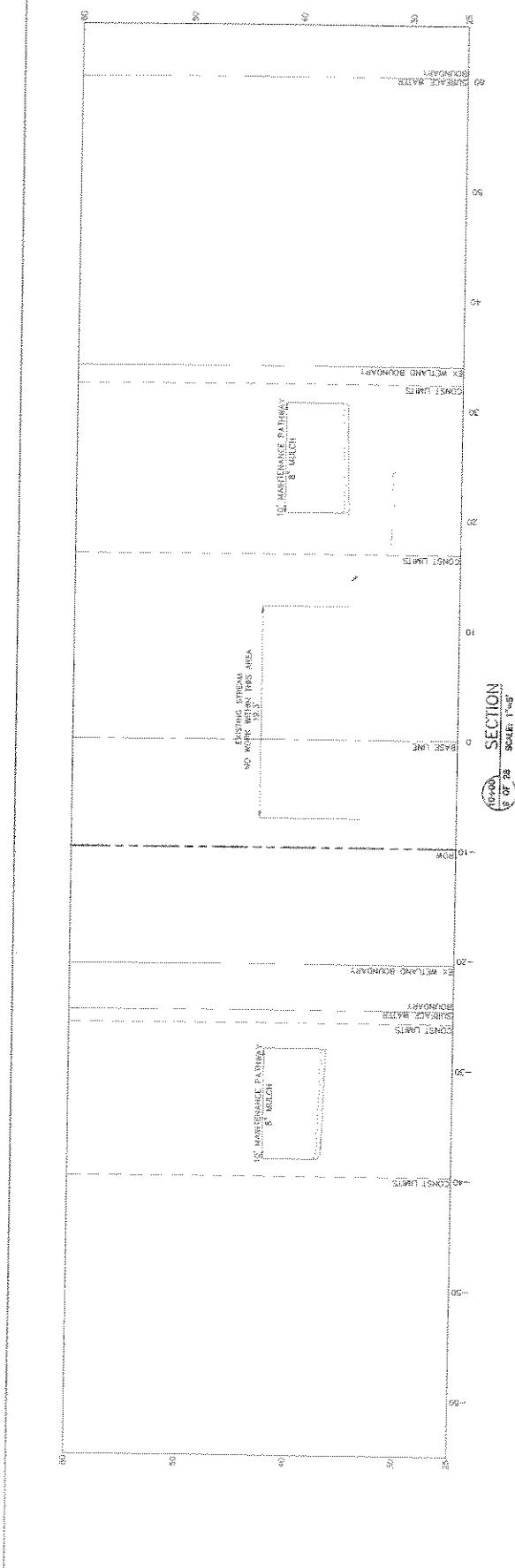
| REVISIONS             |  | BY | DATE | NUMBER | TYPE       | DATE |
|-----------------------|--|----|------|--------|------------|------|
| <b>ERB SUMMITTELL</b> |  |    |      |        | INSTRUMENT |      |
| 10/06/2008            |  |    |      |        | DESIGN     |      |
|                       |  |    |      |        | PERIODIC   |      |
|                       |  |    |      |        | STATION    |      |
|                       |  |    |      |        | LEVEL      |      |
|                       |  |    |      |        | TIME       |      |
|                       |  |    |      |        | CLIMATE    |      |
|                       |  |    |      |        | HAZARD     |      |

**BEE BRANCH CREEK  
CHANNEL IMPROVEMENTS**

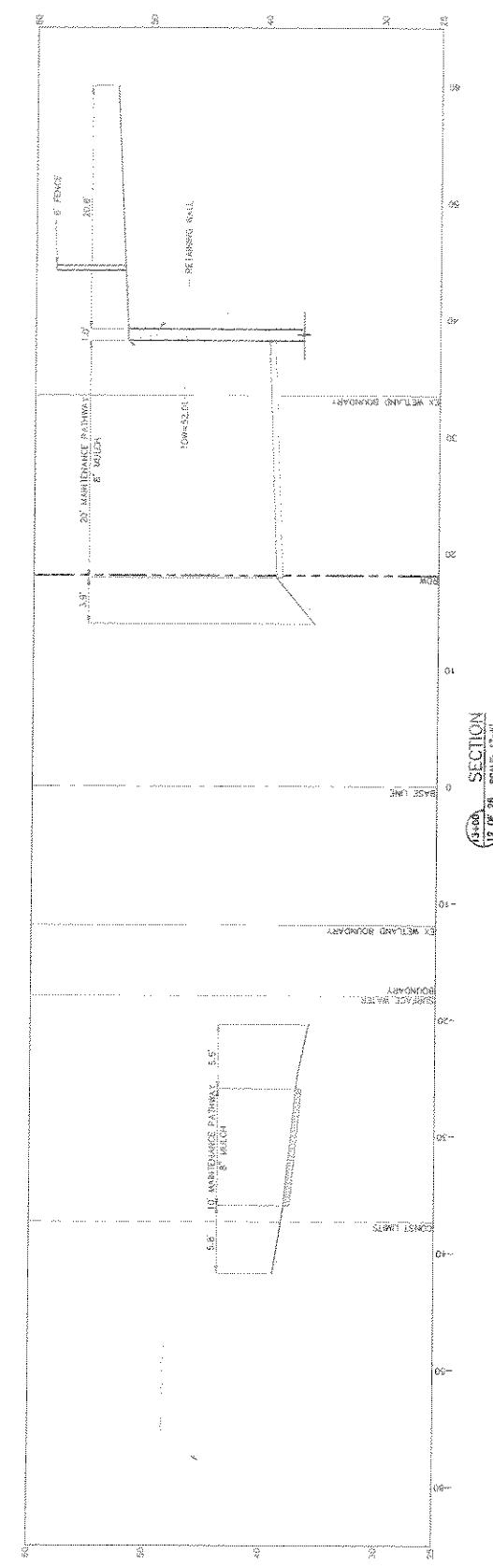
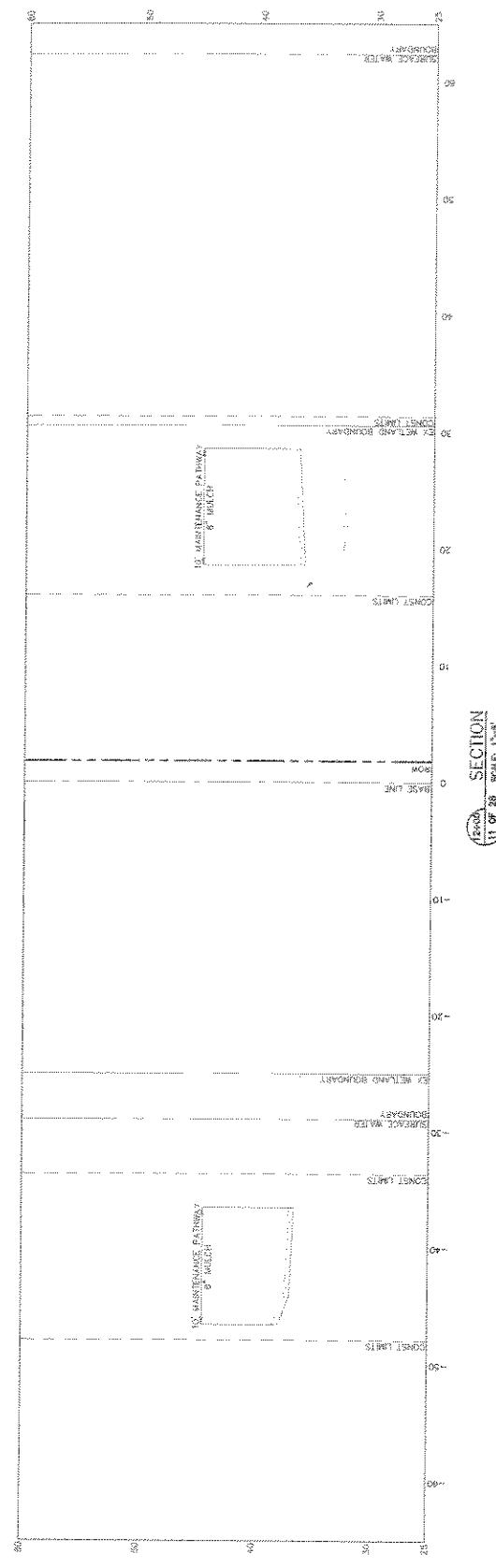
**CROSS SECTIONS**

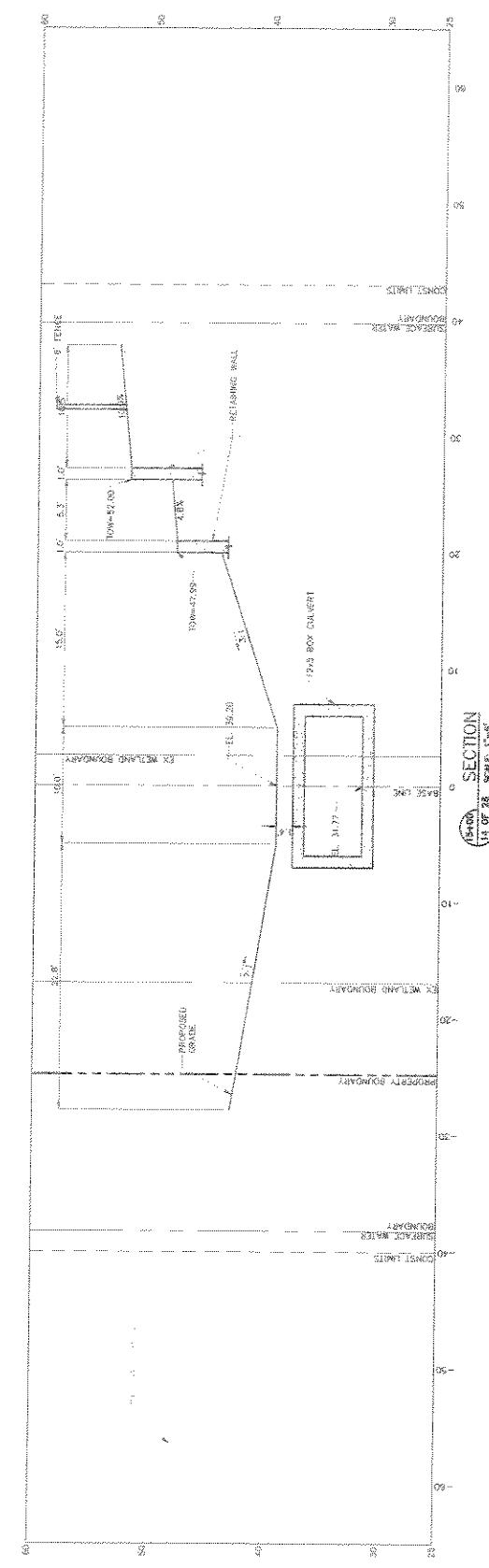
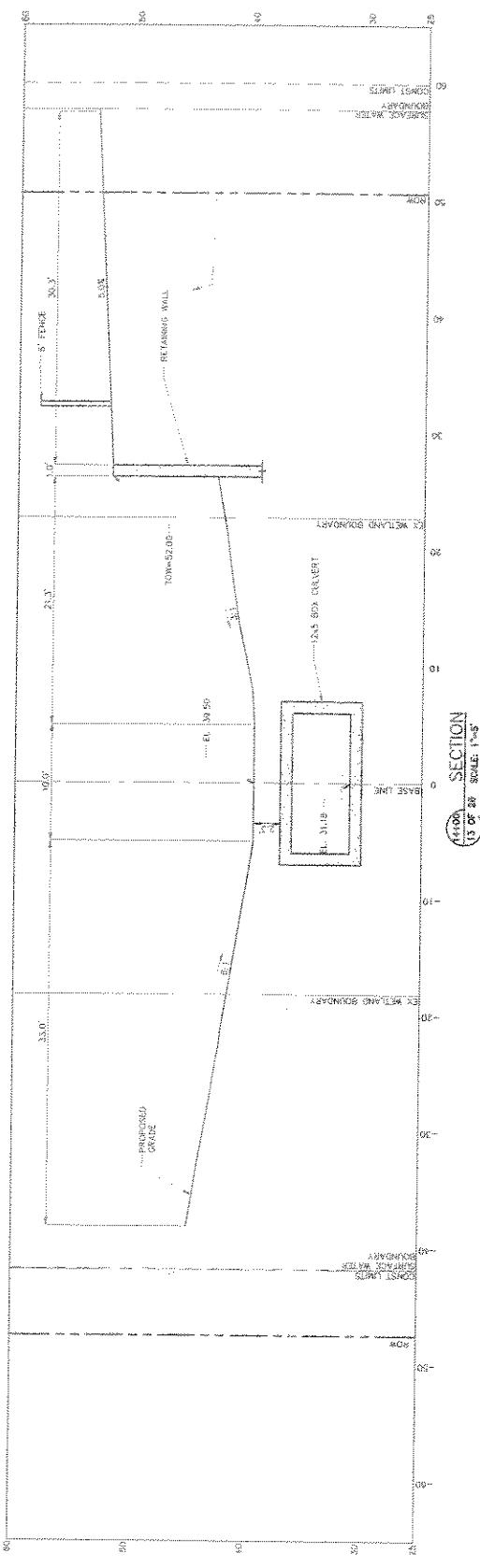
SECTION  
SHEET 1 OF 20  
SCALE: 1" = 50'



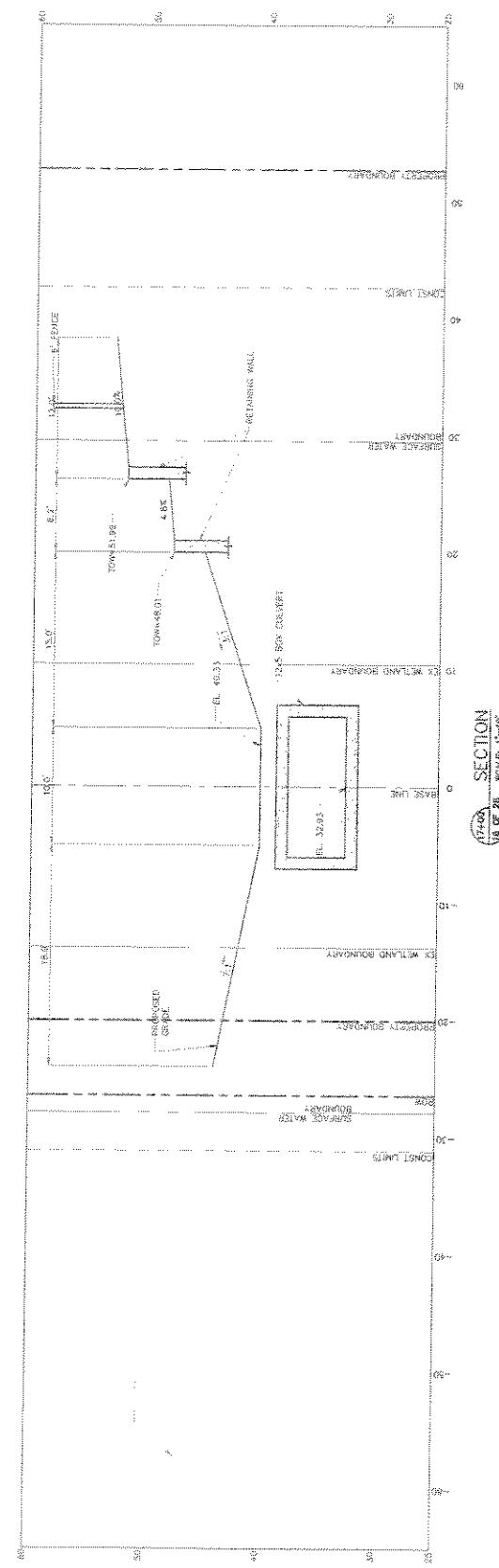
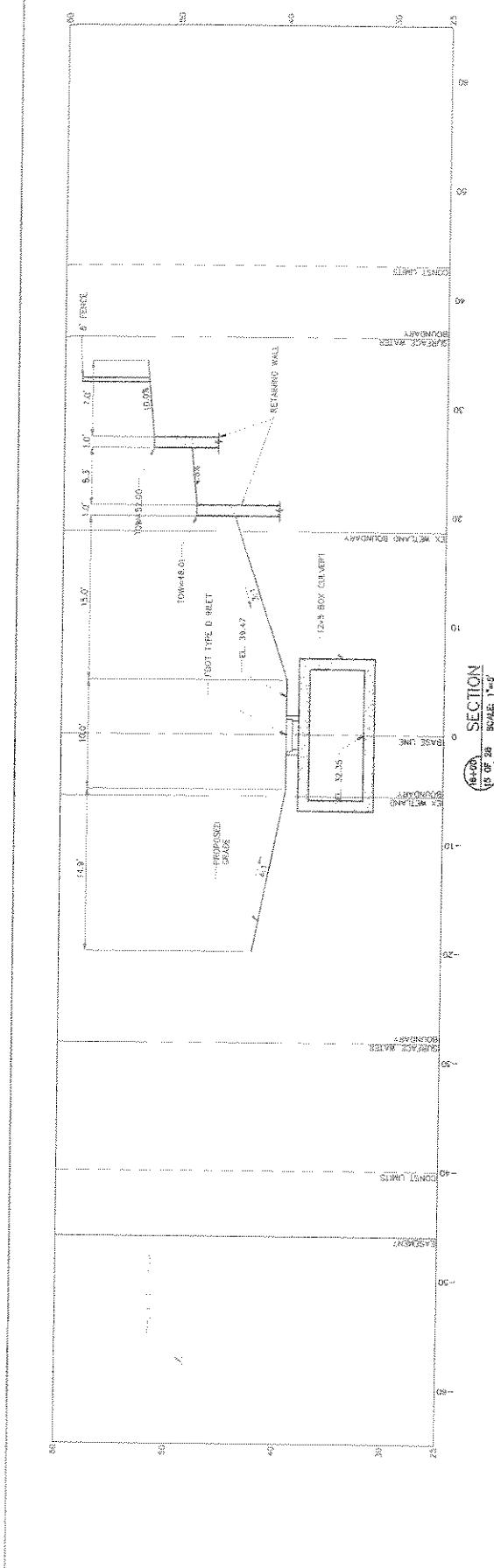


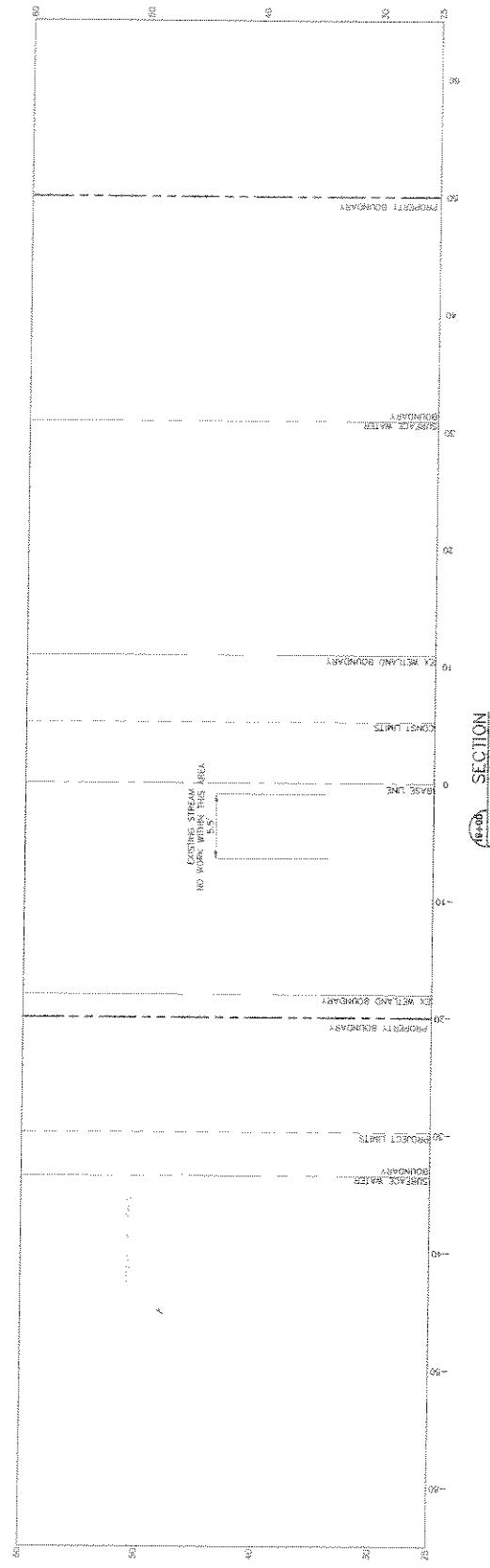
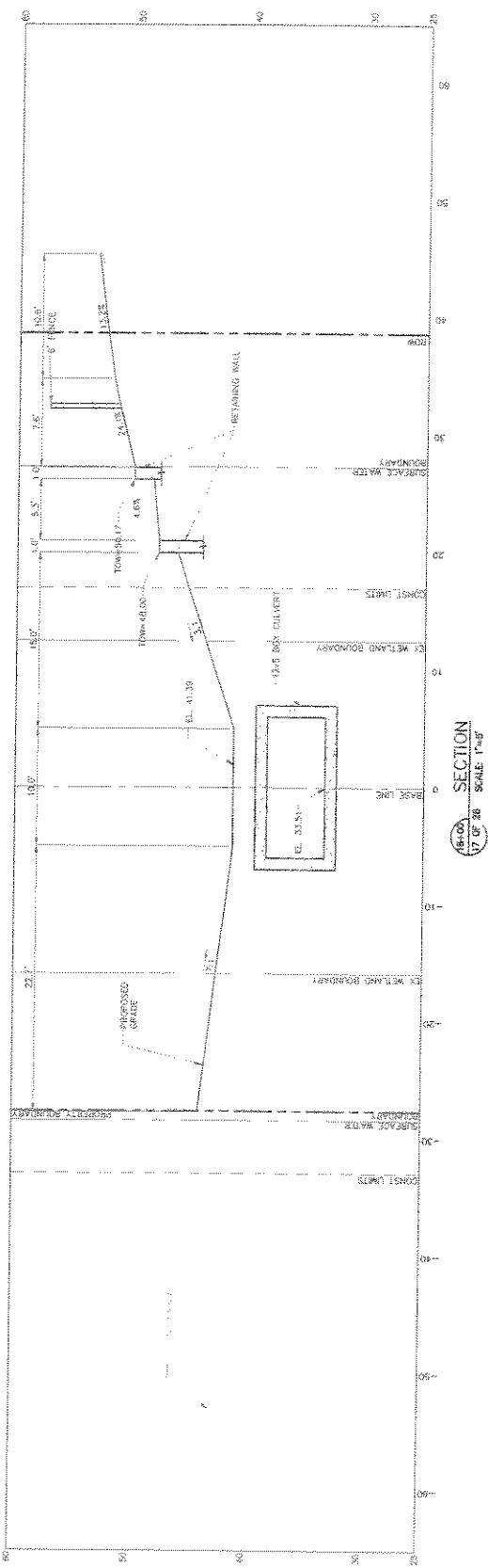
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|-----------------|------------|
| DATE            | DEC 3 2007 |
| PROJECT #       | 2855383    |
| SURVEY FILE NO. |            |
| SHEET           | 28 of 51   |
| C2D             |            |



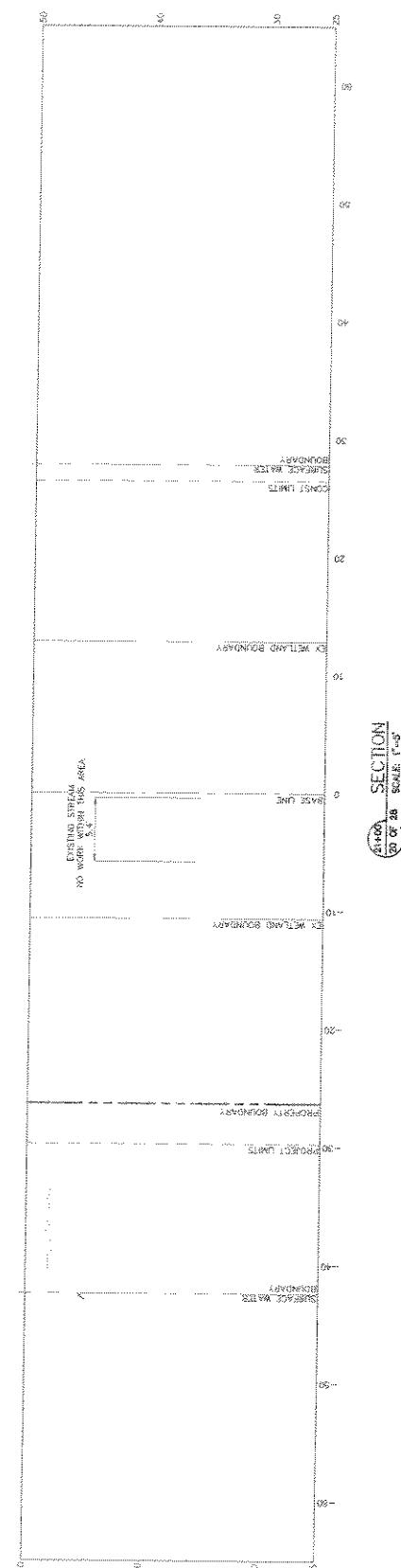
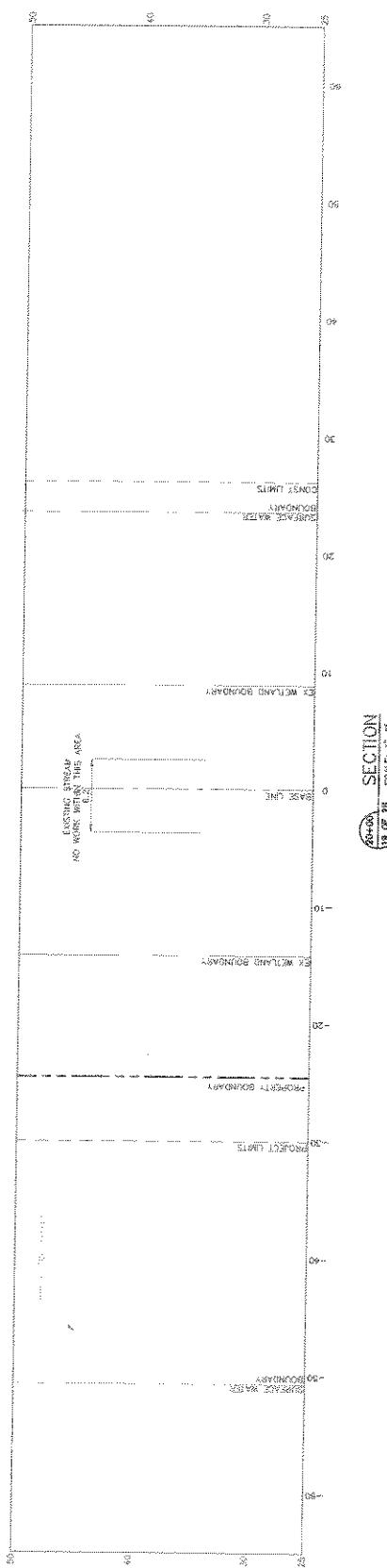


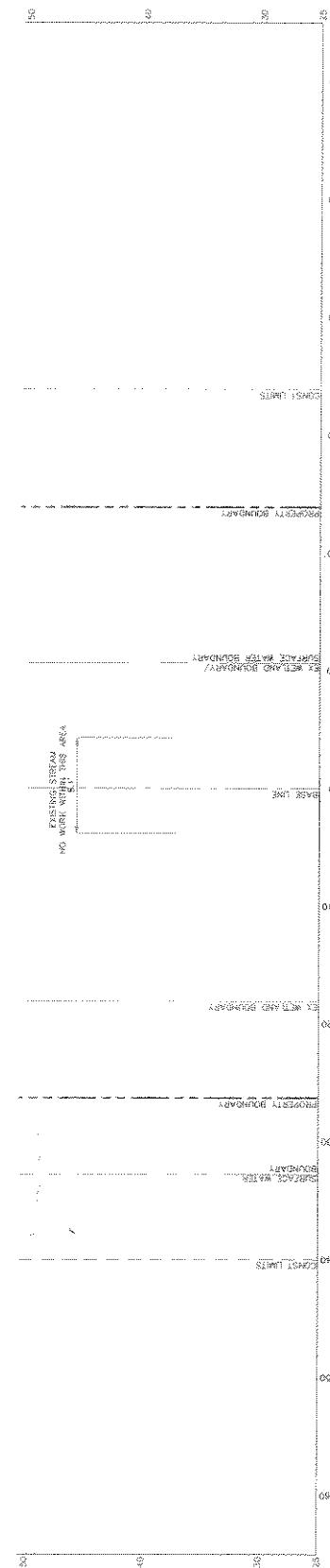
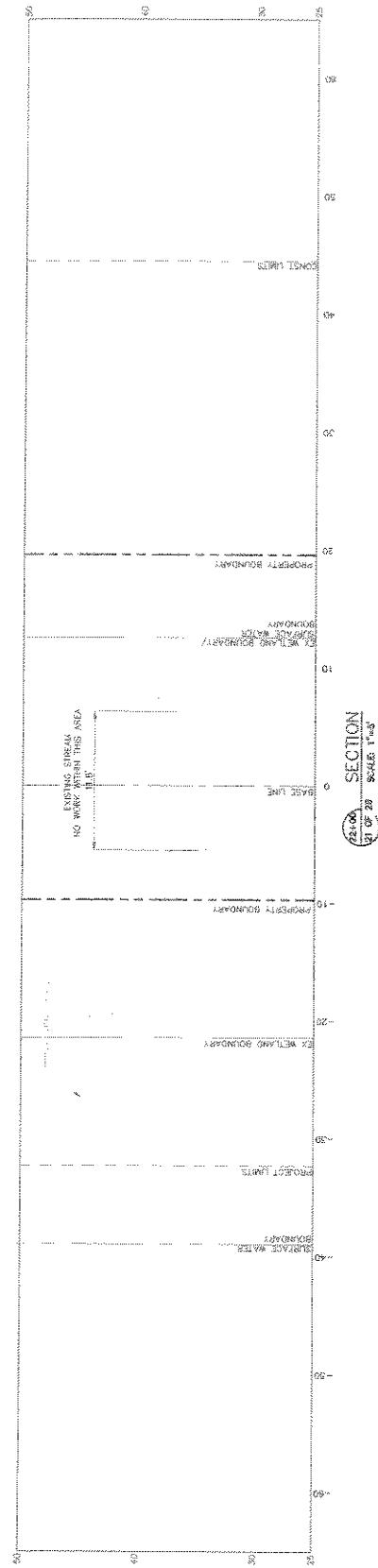
|  |    |      |                     |                            |
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| 10/08/2008                                       |    |      | 100-00000000        | Department of Public Works |
| BEE BRANCH CREEK                                 |    |      |                     |                            |
| CHANNEL IMPROVEMENTS                             |    |      |                     |                            |
| CROSS SECTIONS                                   |    |      |                     |                            |
| PINELLAS COUNTY, FLORIDA                         |    |      |                     |                            |
| PROJECT ID: 060339                               |    |      |                     |                            |
| SURVEY FILE NO.: 100-00000000                    |    |      |                     |                            |
| DATE ACT 3, 2007                                 |    |      |                     |                            |
| ENGINEERING DEPARTMENT                           |    |      |                     |                            |
| 401 3rd Street<br>Clearwater, Florida 33540-0108 |    |      |                     |                            |
| PHONE: (727) 681-0550                            |    |      |                     |                            |
| FAX: (727) 681-0551                              |    |      |                     |                            |
| E-MAIL: 060339@pinellascounty.org                |    |      |                     |                            |
| TELETYPE: (727) 681-0552                         |    |      |                     |                            |

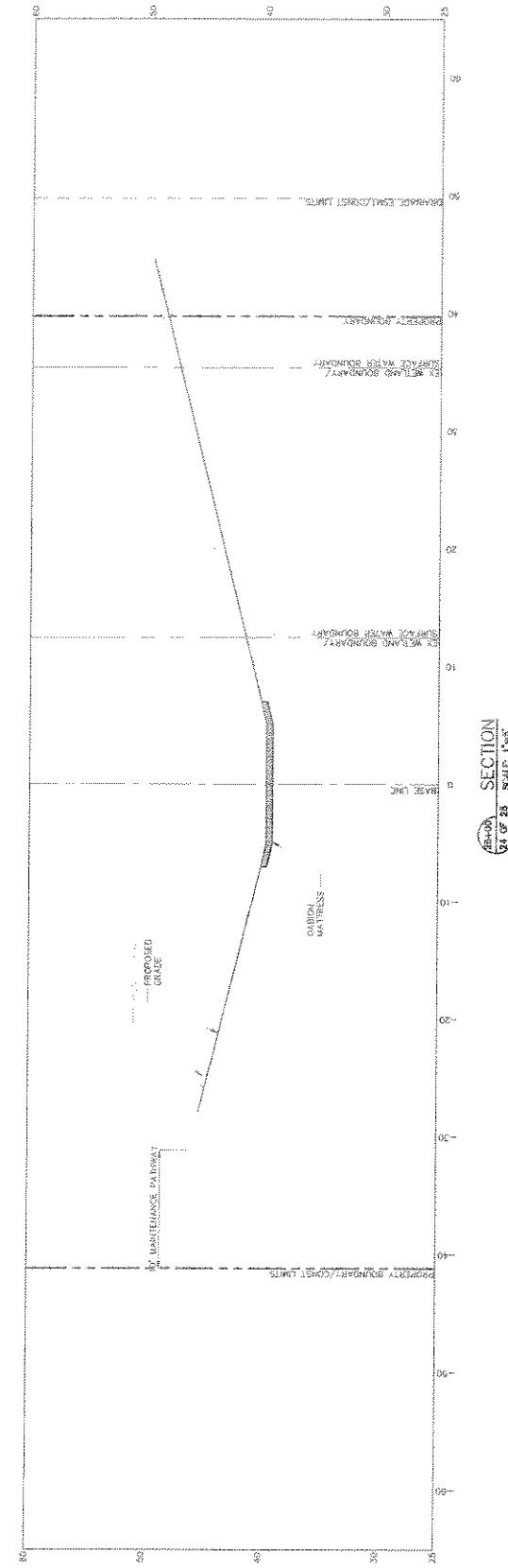
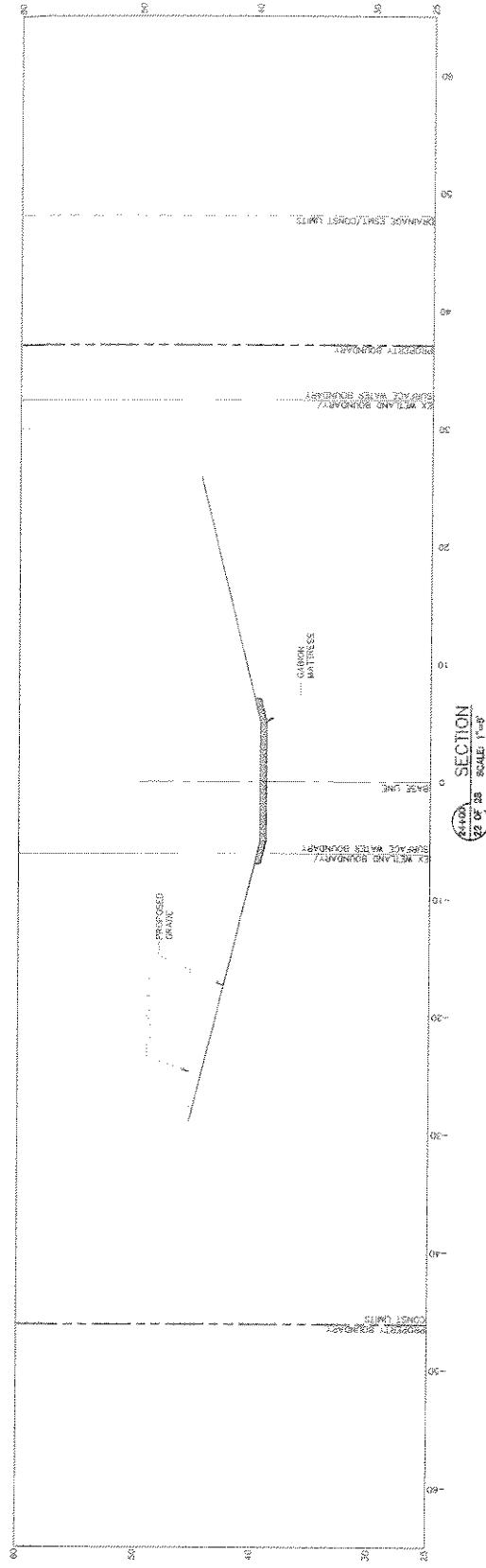




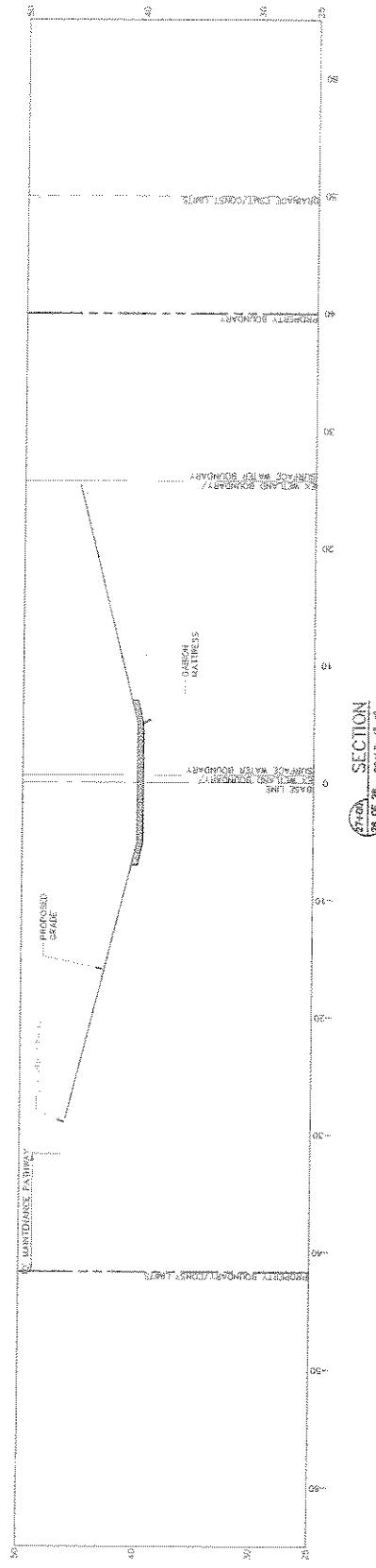
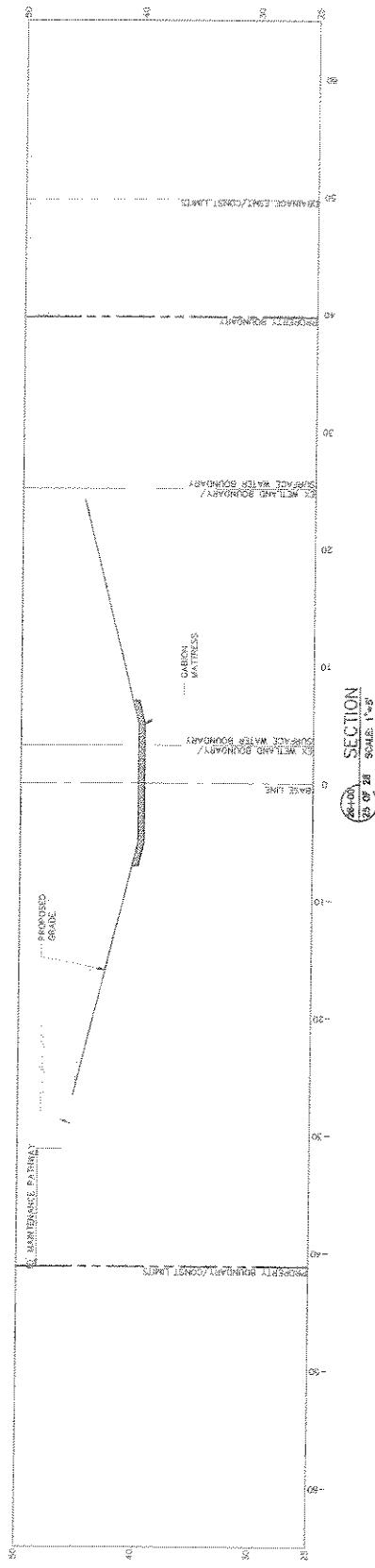
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| REF ID: | 1070612008 | REVISED: |  | DATE SUBMITTED: | 10/06/2008 | DATE APPROVED: | 10/06/2008 | PROJECT ID: | 206539 | PROJECT NAME: | BEE BRANCH CREEK CHANNEL IMPROVEMENTS | ENGINEERING DEPARTMENT: | PINELAS COUNTY, FLORIDA Department of Public Works | MANAGER: | MR. JAMES R. COOPER | DESIGNER: | MR. JAMES R. COOPER | OWNER: | MR. JAMES R. COOPER | SPANNER FILE NO.: | C24 |
|---------|------------|----------|--|-----------------|------------|----------------|------------|-------------|--------|---------------|---------------------------------------|-------------------------|--|----------|---------------------|-----------|---------------------|--------|---------------------|-------------------|-----|







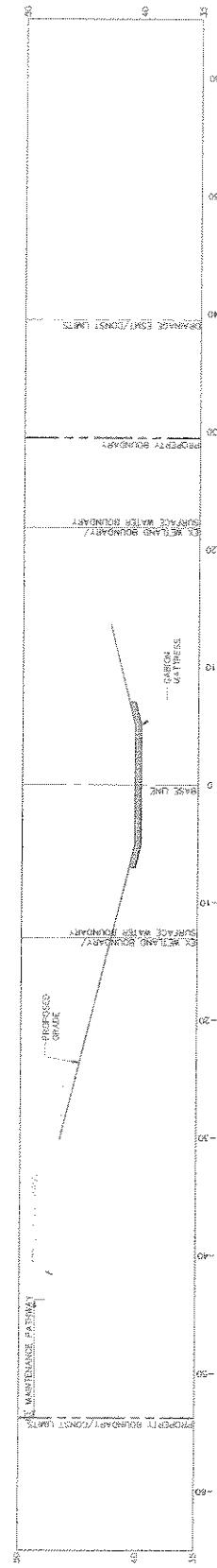
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| REVISIONS            |  |  |  | DATE: OCT 3, 2007  |  |
| <b>ERP SUBMITTAL</b> |  | BY DATE  |  | PROJECT ID: 3606933  |  |
| 10/06/2006           |  | SUBMITTED BY SIZE                              |  | SERIAL FILE NO.:   |  |
|                      |  | TECHNICAL DRAWINGS<br>CHECKED<br>SERIES NUMBER |  | CROSS SECTIONS   |  |
|                      |  | DESIGNED BY SIZE                               |  | BEE BRANCH CREEK<br>CHANNEL IMPROVEMENTS   |  |
|                      |  | DRAWN BY SIZE                                  |  | PINELLAS COUNTY, FLORIDA<br>Department of Public Works<br>ENGINEERING DEPARTMENT<br>600 Central Avenue<br>Clearwater, Florida 33768-4246<br>PHONE: (727) 464-3881                                |  |
|                      |  | APPROVED BY SIZE                               |  | PARKER & ASSOCIATES, INC.<br>1200 University Street, Suite 1000<br>Seattle, WA 98101-3140<br>PHONE: (206) 467-1010<br>FAX: (206) 467-1011<br>E-mail: info@parkerassoc.com<br>www.parkerassoc.com |  |
|                      |  | SUPERVISOR BY SIZE                             |  | SHEET 35 OF 32 C07   |  |
|                      |  | REVIEWER BY SIZE                               |  | DRAWING NO. 3606933-14   |  |
|                      |  | CHECKER BY SIZE                                |  | SCALE: 1:1000  |  |
|                      |  | DESIGNER BY SIZE                               |  | DRAFTS: 1:1000   |  |
|                      |  | APPROVED BY SIZE                               |  | PRINTS: 1:1000   |  |
|                      |  | APPROVED BY SIZE                               |  | PARKER & ASSOCIATES, INC.<br>1200 University Street, Suite 1000<br>Seattle, WA 98101-3140<br>PHONE: (206) 467-1010<br>FAX: (206) 467-1011<br>E-mail: info@parkerassoc.com<br>www.parkerassoc.com |  |



|               |   |
|---------------|---|
| REVISIONS     | DATE: OCT 3, 2007   |
| ERP SUBMITTAL | PROJECT ID: 200533  |
| 10/06/2008    | SURVEY FILE NO.   |
| 10/06/2008    | SECTION 37 of 51 C29  |
|               | PLATEAU SURVEYORS, INC.<br>1000 N. 10TH ST., SUITE 200<br>PHOENIX, AZ 85004<br>PHONE: (602) 957-4456<br>FAX: (602) 957-4457<br>E-MAIL: PLATEAU@AZ-SURVEY.COM<br>WEBSITE: WWW.PLATEAU.SURVEY.COM |

|               |   |
|---------------|---|
| REVISIONS     | DATE: OCT 3, 2007   |
| ERP SUBMITTAL | PROJECT ID: 200533  |
| 10/06/2008    | SURVEY FILE NO.   |
| 10/06/2008    | SECTION 37 of 51 C29  |
|               | PLATEAU SURVEYORS, INC.<br>1000 N. 10TH ST., SUITE 200<br>PHOENIX, AZ 85004<br>PHONE: (602) 957-4456<br>FAX: (602) 957-4457<br>E-MAIL: PLATEAU@AZ-SURVEY.COM<br>WEBSITE: WWW.PLATEAU.SURVEY.COM |

**SECTION**  
**26400**  
**22 OF 37**  
**SCALE 1=5'**



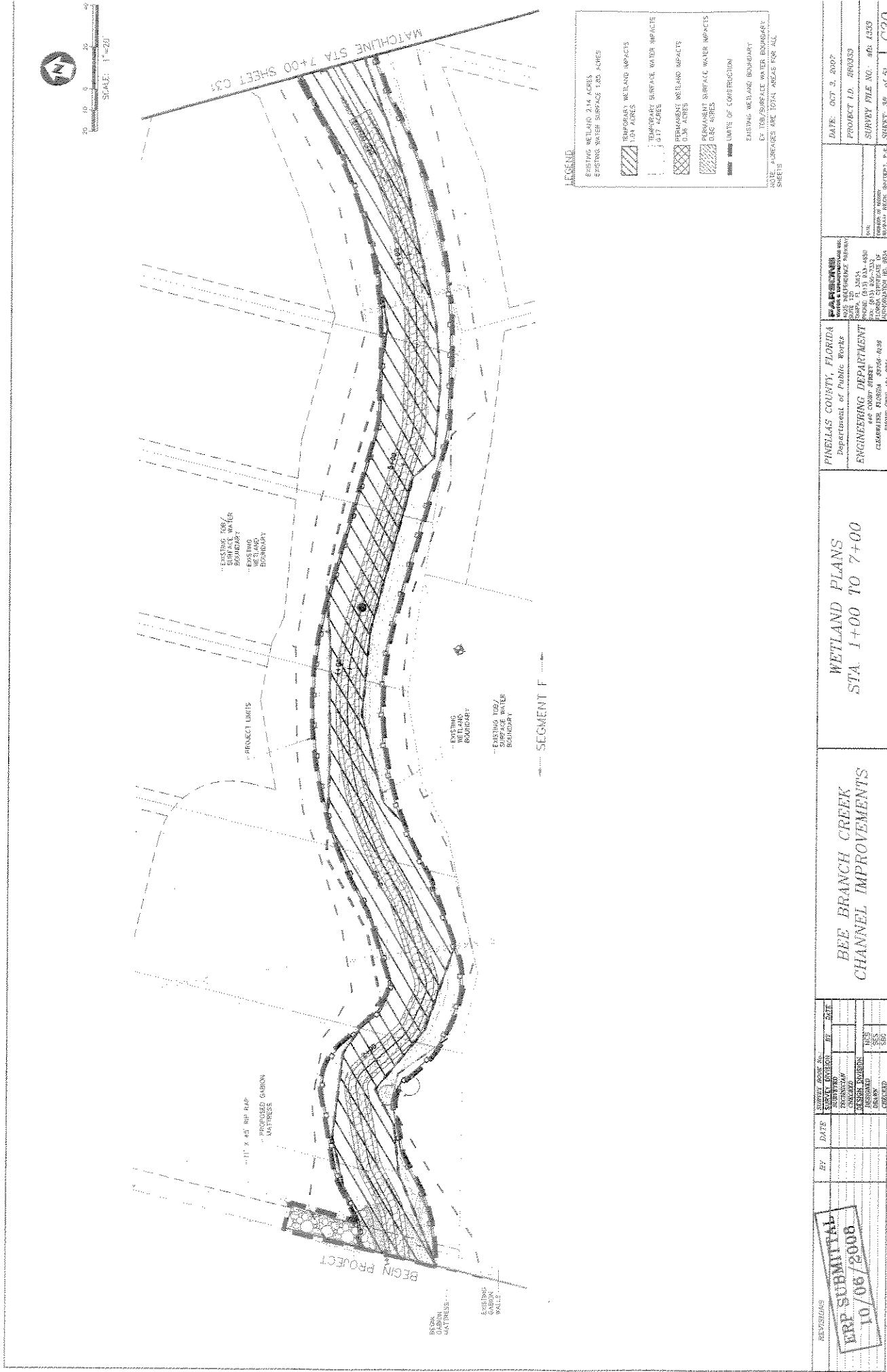
PINELAND COUNTY, FLORIDA  
Department of Public Works  
2005 SURVEYORS PROJECT NO.  
ENGINEERING DEPARTMENT  
4400 S. UNIVERSITY AVENUE, SUITE 100  
CITRUS POINT, FLORIDA 34732-6139  
PHONE: (813) 542-4456  
FAX: (813) 542-4457  
E-MAIL: DOWNSURVEY@FLORIDA.DOT.GOV  
WEBSITE: WWW.DOWNSURVEY.COM

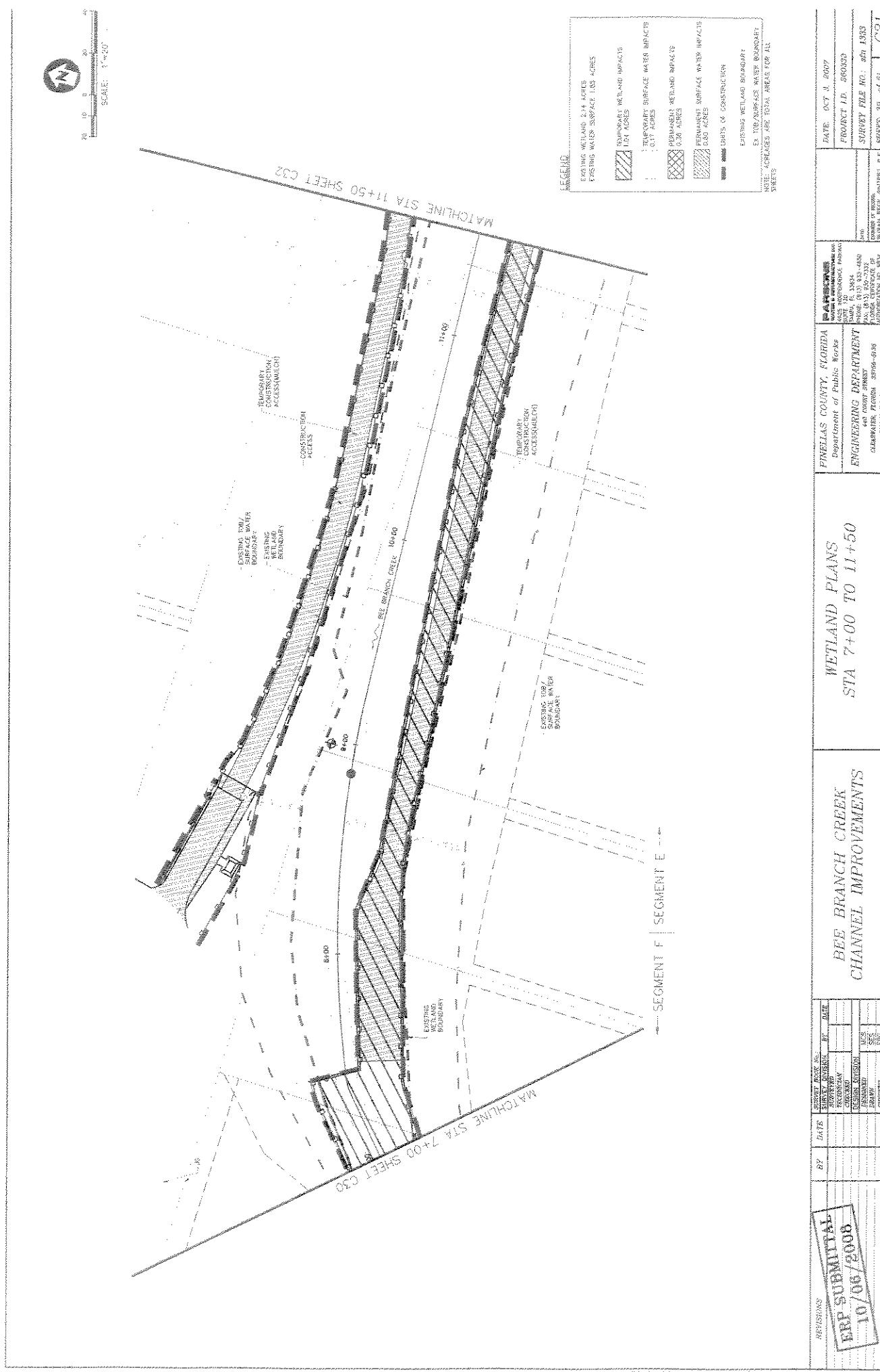
SECTION 37 of 51 C29

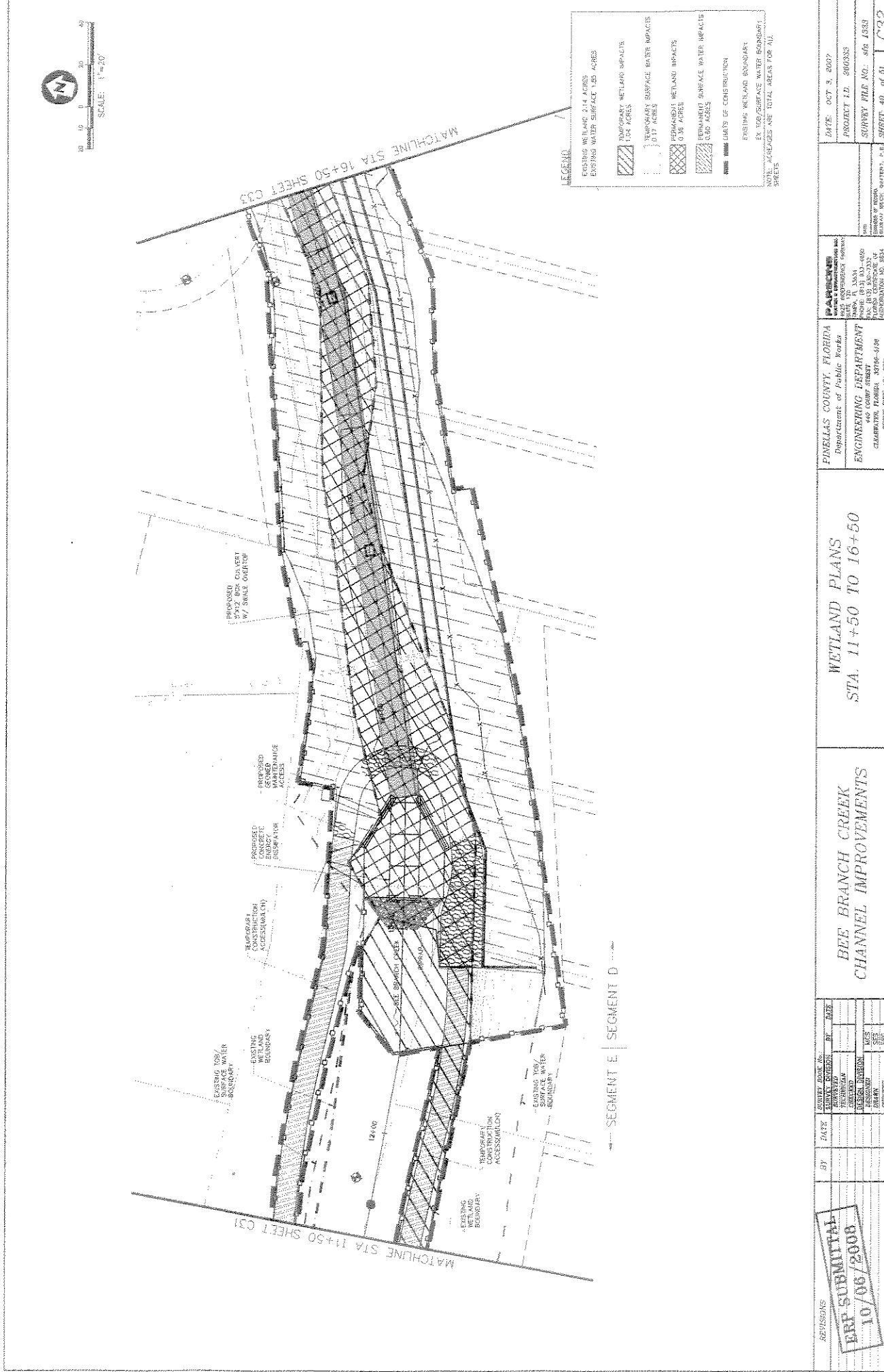
BEE BRANCH CREEK  
CHANNEL IMPROVEMENTS

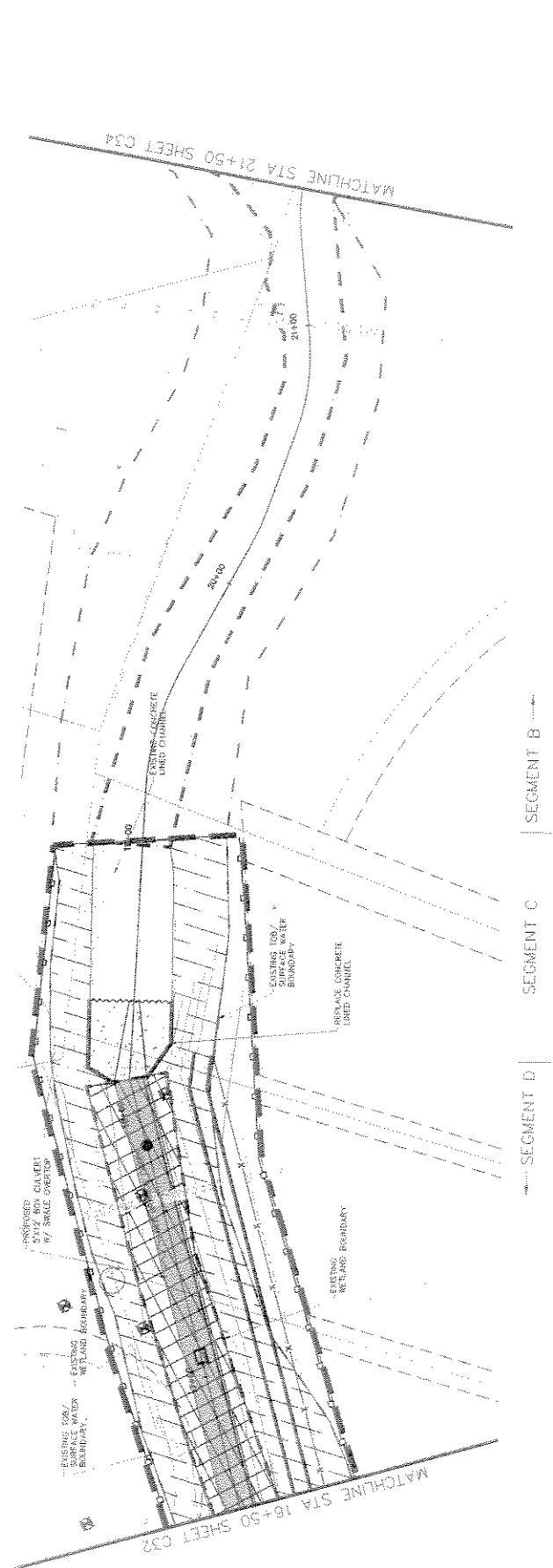
CROSS SECTIONS

| REV/NO. | BY                      | DATE       | SURVEY NUMBER | BLK. SIZE |
|---------|-------------------------|------------|---------------|-----------|
| 1       | PLATEAU SURVEYORS, INC. | 10/06/2008 | 200533        | 500       |
| 2       | PLATEAU SURVEYORS, INC. | 10/06/2008 | 200533        | 500       |
| 3       | PLATEAU SURVEYORS, INC. | 10/06/2008 | 200533        | 500       |
| 4       | PLATEAU SURVEYORS, INC. | 10/06/2008 | 200533        | 500       |





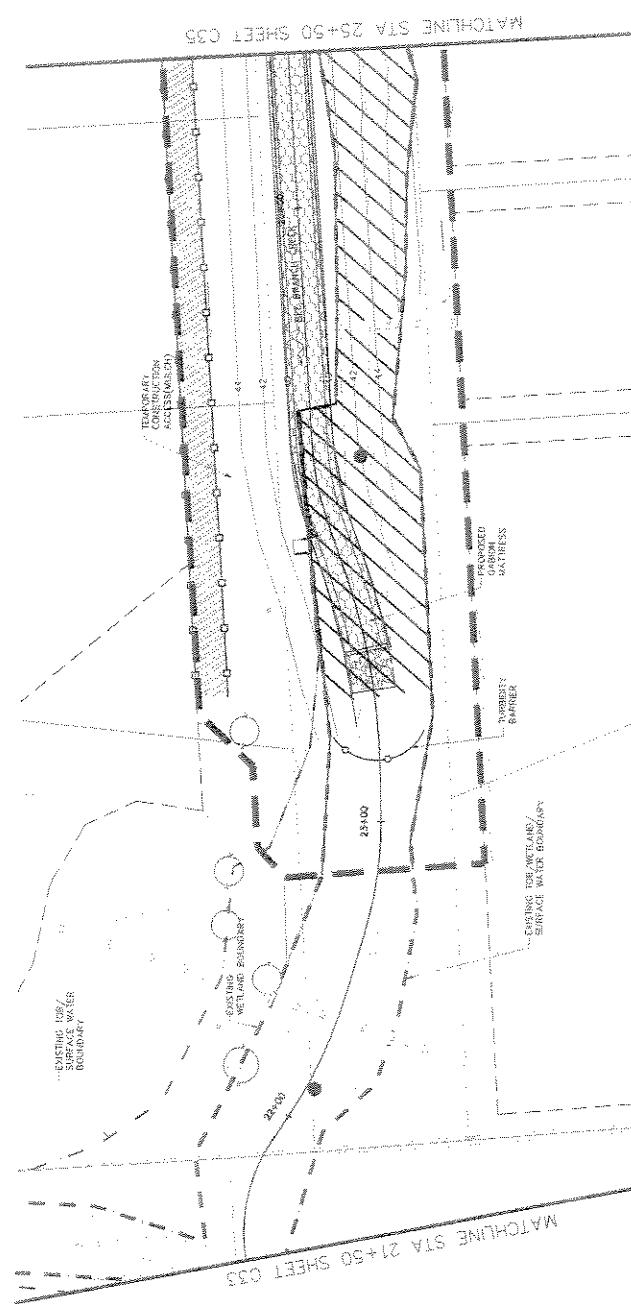




23

```

graph TD
    A[What is your water body?] --> B[Large rivers]
    A --> C[Small streams]
    B --> D[What is your water body?]
    C --> E[What is your water body?]
    
```



..... SEGMENT A .....

REVISIONS  
ERP SUBMITTAL  
10/06/2008  
10

|  |  |                          |  |
|--|--|--------------------------|--|
| WETLAND PLANS  |  | DATE: OCT. 3, 2007       |  |
| STA. 21+50 TO 25+50  |  | PROJECT ID: 06065053     |  |
| FAMILIAS COUNTY, FLORIDA   |  | SURVEY FILE NO.: 06-1183 |  |
| Department of Natural Resources                                    |  | SHEET # 42 of 81         |  |
| ENGINEERING DEPARTMENT   |  | C-2A                     |  |
| 401 South Main Street, Room 100<br>Gainesville, Florida 32601-4686 |  |                          |  |
| PHONE: (352) 398-6688  |  |                          |  |
| FAX: (352) 398-6684  |  |                          |  |

